## 4.11.15 Using the Order Manager GUI

The Synergy IV Order Manager (OM) GUI provides operators with access to the Order Manager database. It has the same basic functionality of the Synergy III version, but with many enhanced and additional features. The GUI is based on web standards. It performs most of its functions by accessing the database directly, in contrast to most current ECS operator GUIs that interface with a server. The GUI allows operators to view and modify requests that have been placed on hold by the Order Manager Server because they require operator intervention, and resubmit requests or portions of a request that have failed. For Synergy IV, the OM GUI incorporates much of the Data Distribution (DDIST) GUI functionality in anticipation that the OM GUI will provide a more efficient and centralized interface that combines the functionalities of both GUIs. The System Management Subsystem (MSS) Order tracking GUI will still be independent of the OM GUI.

**Notes on Operator Capability Levels**

In accordance with new Operator GUI security standards, the OM GUI will implement two levels of permissions such that only Full Capability operators have the ability to configure parameters and perform certain actions, while Limited Capability operators are limited to basic functionality as outlined in this document. To accomplish this, the OM GUI disables inputs, buttons, and access to certain pages for Limited Capability Operators.

All screenshots in this document show pages accessible by Full Capability Operators, with the understanding that certain elements of the page will be visibly disabled in many pages. All functionality not available to Limited Capability Operators will be clearly outlined in this document.

The Synergy IV OM GUI provides Full Capability operators with the ability to:

- Monitor for Operator Interventions and modify request parameters associated with those interventions
- View Completed Interventions
- View list of all Distribution Requests, Ftp Push Distribution Requests or Staging Distribution Requests.
- Filter Distribution Requests by combinations of order id, request id, status, destination, media type, user id, first name, last name, e-mail address, or creation time.
- From any list of Distribution Requests, perform the following actions as appropriate: change priority, resubmit, suspend, resume or cancel a request.
- View detailed distribution request information and perform the following actions as appropriate: change priority, resubmit, suspend, resume or cancel the request.
- View details of an ECS Order
- View the profile of a user associated with an ECS Order.

- View suspended Ftp Push destinations and take the following actions as appropriate: resume dispatching.
- Suspend an active destination or view non-terminal requests forthe destination..
- View details for suspended Ftp Push destinations including FTP Push Operations that caused the suspension and FTP Push Requests that are not in a terminal state.
- View, update and cancel bundling order information (link to NSBRV GUI).
- Monitor for Operator Alerts caused by FTP Push operations, Data Pool File System errors, Archive Server errors
- Monitor and suspend/resume processing queue states
- Monitor and suspend/resume staging states
- Monitor the current staging status by media type or FTP Push
- Configure OM Server and OM Database parameters
- Configure the aging parameters for each ECS Priority level
- Configure settings for each media type
- Define and configure FTP Push destinations, as well as the "policies" for those destinations
- Configure Archive Resource parameters
- Monitor for OM Server statistics
- Monitor for OM Staging statistics
- Get general and context-based help for all OM GUI functions

The Synergy IV OM GUI provides Limited Capability operators with the ability to:

- Monitor for Operator Interventions
- View Completed Interventions
- View list of all Distribution Requests, Ftp Push Distribution Requests or Staging Distribution Requests.
- Filter Distribution Requests by combinations of order id, request id, status, destination, media type, user id, first name, last name, e-mail address, or creation time.
- View detailed distribution request information.
- View details of an ECS Order
- View the profile of a user associated with an ECS Order.
- View suspended Ftp Push destinations

- View details for suspended Ftp Push destinations including FTP Push Operations that caused the suspension and FTP Push Requests that are not in a terminal state.
- View bundling order information (link to NSBRV GUI).
- Monitor for Operator Alerts caused by FTP Push operations, Data Pool File System errors, Archive Server errors, or Archive Tape errors.
- Monitor processing queue states
- Monitor staging states
- Monitor the current staging status by media type or FTP Push destination
- View OM Server and OM Database parameters
- View settings for each media type
- View Archive Resource parameters
- Monitor for OM Server statistics
- Monitor for OM Staging statistics
- Get general and context-based help for all OM GUI functions

### 4.11.15.1 Starting the OM GUI

Bring up the Web Browser and then access the URL for the OM GUI web page.

For example: **http://yourserver:portnumber/cgi-bin/index.html**

**Note**: The GUI will open itself in a new window and will close the parent window (if run on a Windows machine the parent window may not close).

**Browser Requirements**

For Synergy IV, the OM GUI is certified for use with Netscape 7.0 (and higher) and it is strongly recommended that only this browser be used. The OM GUI will not work with Netscape 4.78 or earlier.

### 4.11.15.2 OM GUI Home Page

The OM GUI Home Page screen shown in Figure 4.11.15-1 explains the basic services of the OM GUI. For the Synergy IV release, the navigation method has changed. There is a static frame to the left that allows for easier and more direct access to the desired pages. Due to the nature of this navigation method, the individual pages should not be viewed outside the frame environment. The navigation frame is also resizable if so desired.

**Login and Sessions**

The operator has the option of recalling a session by typing a name in the Login box in the left frame. This is only to recall particular session settings and is not intended for security in any way

(see the GUI Security section later in this document). If the login name does not exist, a new session is created. If the operator does not choose to login, a temporary session will be created that expires (by default) in 8 hours. This expiration period is configurable.

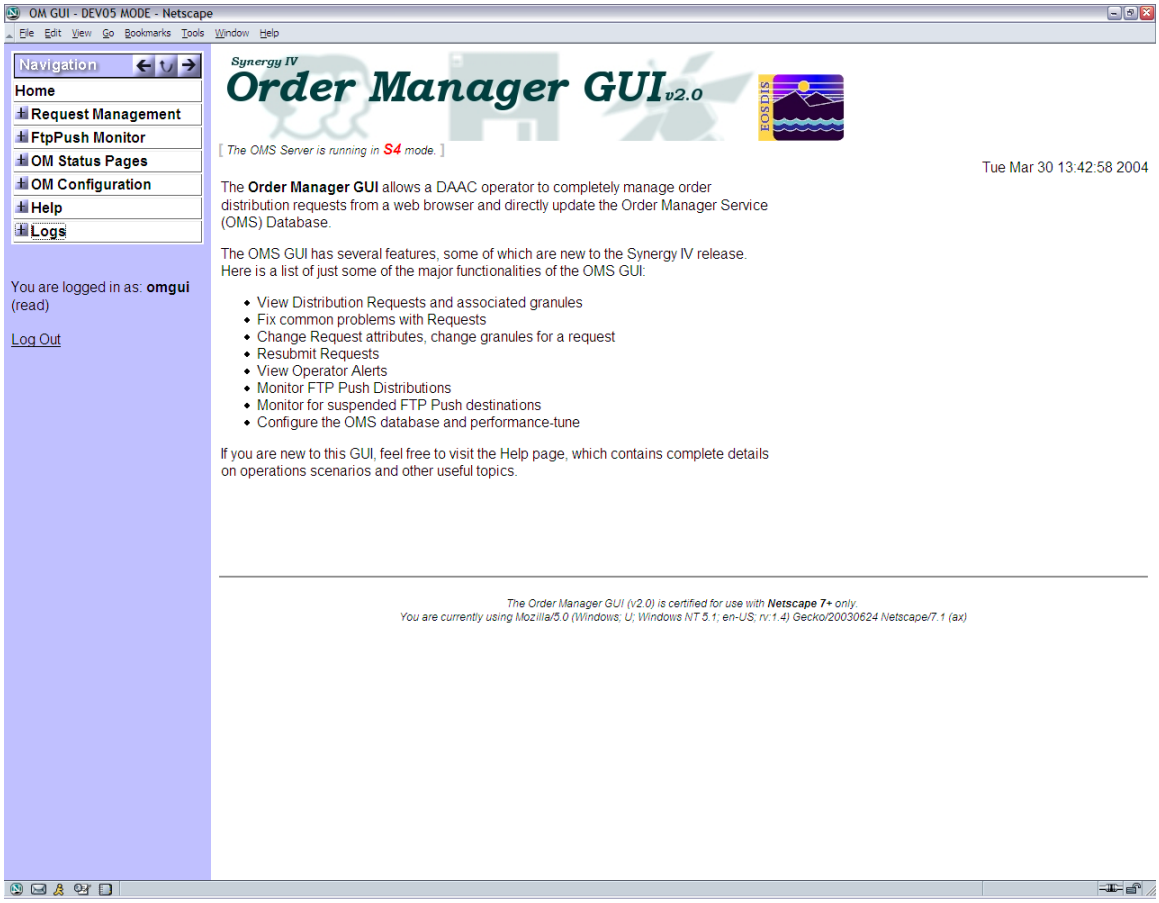



***Figure 4.11.15-1. Order Manager GUI Home Page***

**Note**: This screen shows that the operator is not logged in. The OMS GUI here is not using GUI Security.

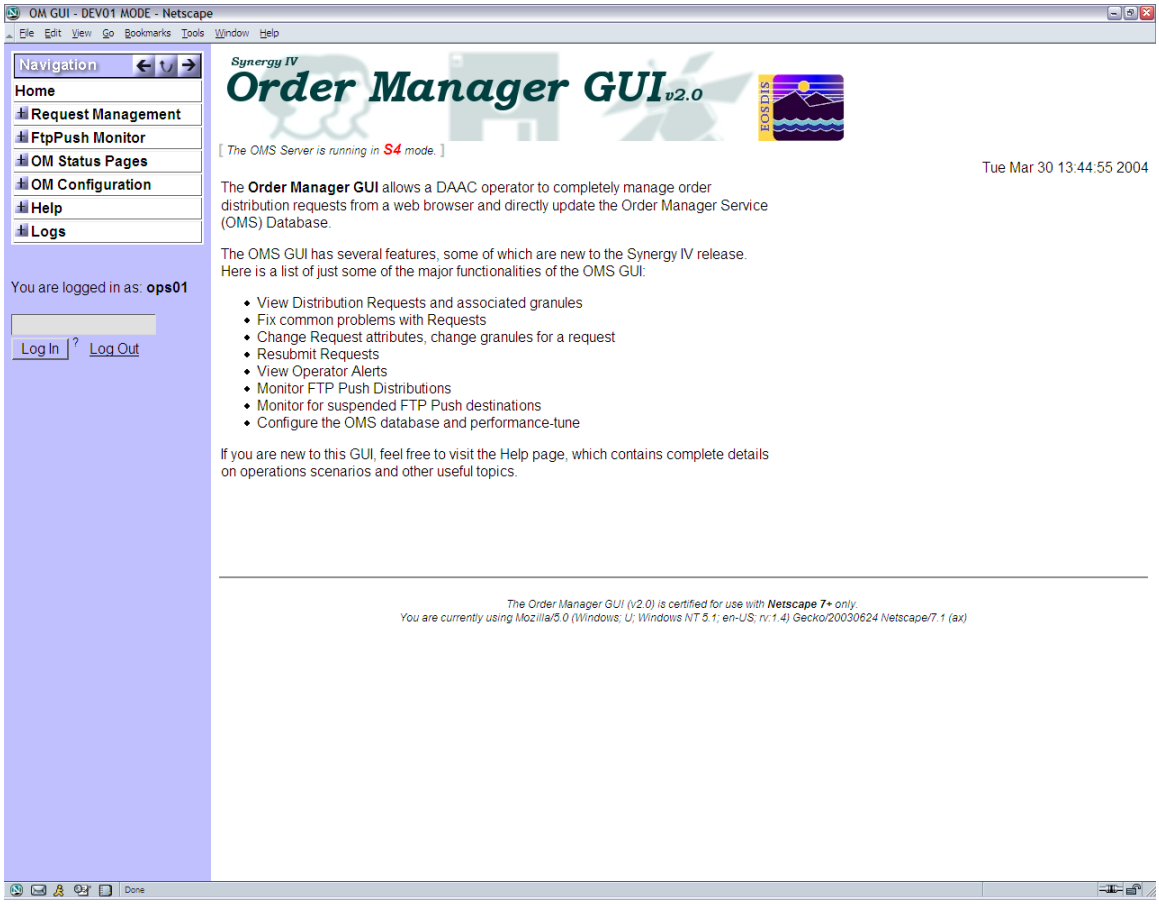



***Figure 4.11.15-2. Order Manager GUI Home Page with Login***

**Note:** This screen shows the operator logged in as "ops01" using the OMS GUI proprietary login system – it is not using GUI Security in this example.

### 4.11.15.3 GUI Security

The OMS GUI can optionally be installed with the GUI Security feature enabled. If it is, you will be prompted for a user name and password once the GUI is started. This user name will also be used as the session identifier, so that the operator can recall session settings. See Figure 4.11.15-3 for an example of the login dialog box.

**User Names and Passwords**

The installation team will have to create user names and passwords using special utilities. The details on this are in a different document.

**GUI Security Disabled**

If GUI Security has not been installed, the operator can still "log in" using the OMS GUI's proprietary login system (see "Login and Session" under section 4.11.15.2). See Figure 4.11.15-2 for an example of the login dialog box.

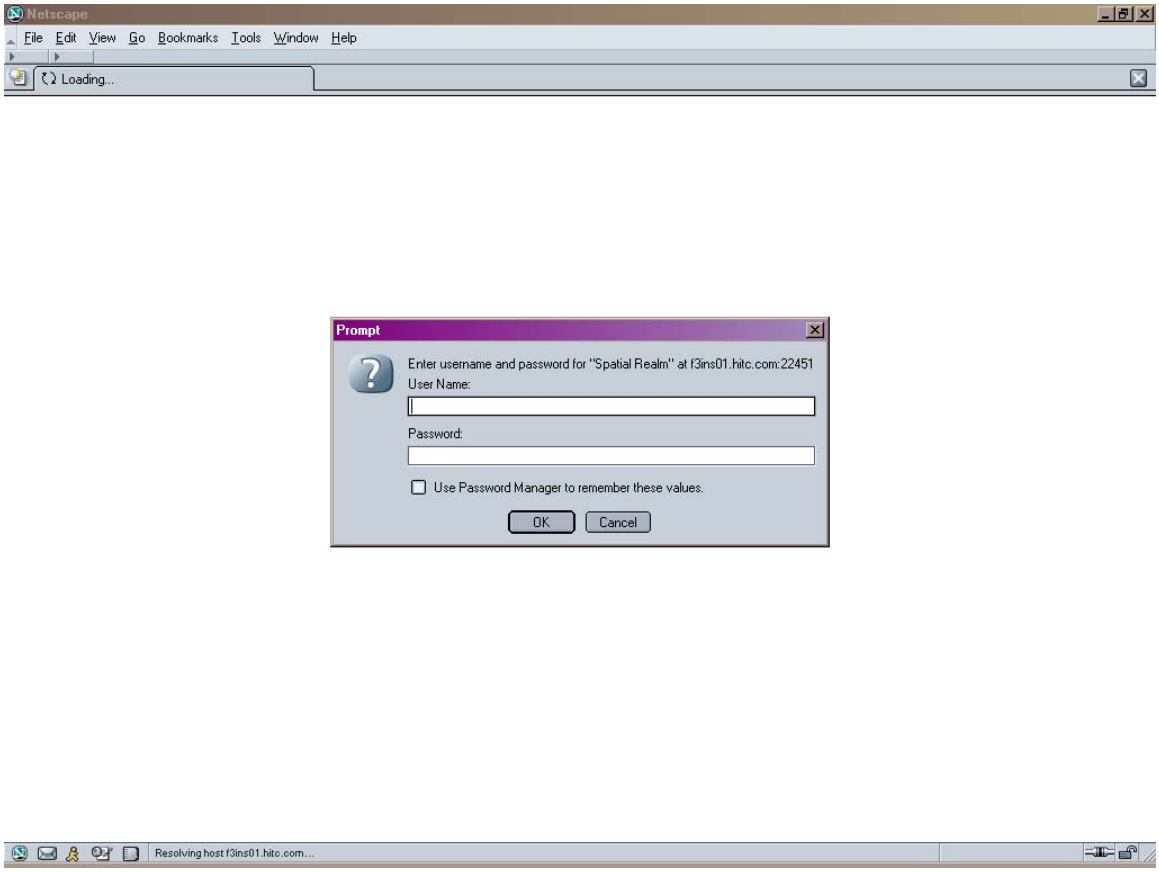



***Figure 4.11.15-3. GUI Security Login***

## 4.11.15.2 Request Management Pages

The Request Management section consists of several subsections that include a variety of capabilities allowing the operator to manage, modify, and monitor many aspects of a distribution request. For the Synergy IV release, the basic functionality of the Intervention pages remains the same, but there are some enhancements, such as the ability to view Operator Interventions based on Staging errors.

There is also a new capability that allows operators to monitor for "Alerts" – non-fatal warnings or errors that do not cause an Operator Intervention, but which otherwise might pose valuable to the operator. An example might be a suspended FTP Push destination.

### 4.11.15.2.1 Open Interventions Page

From the navigation menu, click on "Request Management", which will expand the menu, revealing several links (clicking it again will contract the menu). The operator may click on **"Open Interventions"**, to the Open Interventions page, containing a list of all the currently open Operator Interventions that require attention as shown in Figure 4.11.15-4.

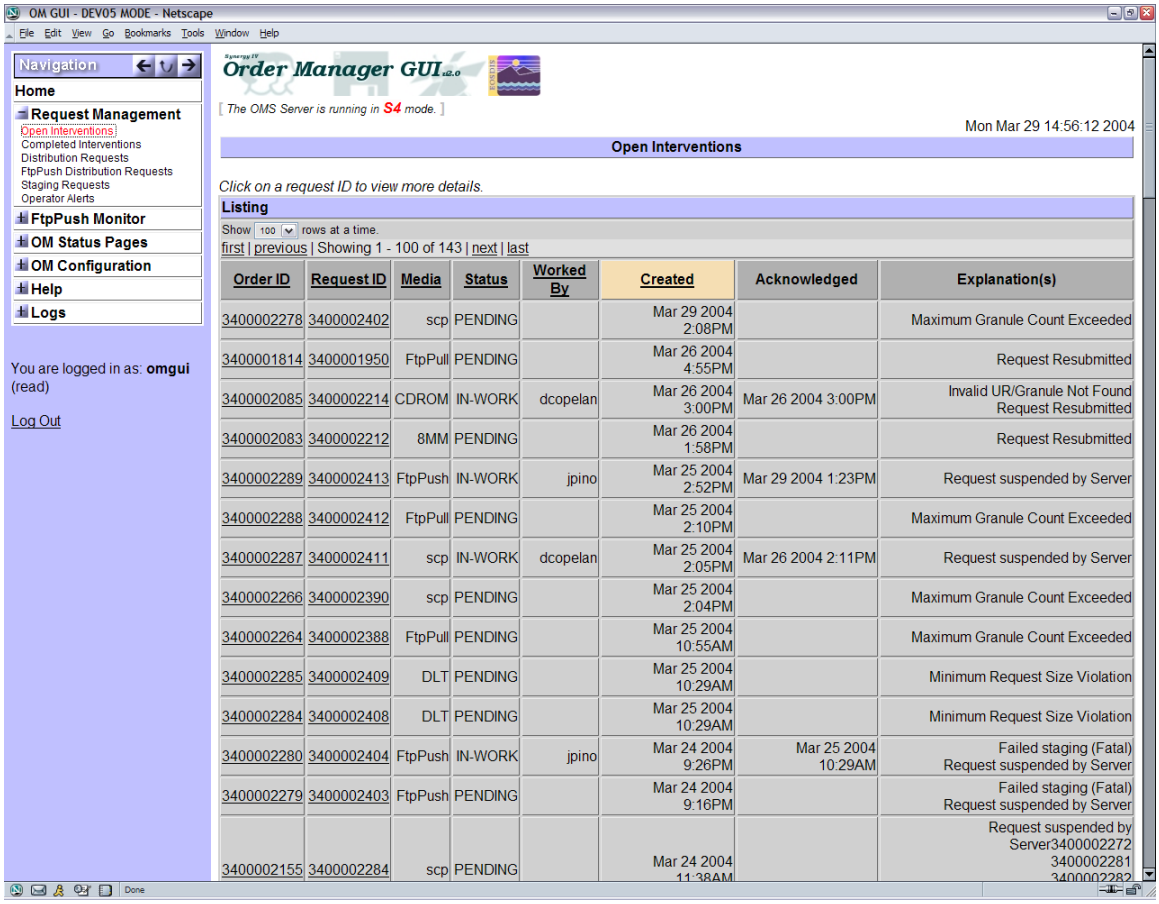



***Figure 4.11.15-4. Open Interventions Page***

The listing will show the Request ID that caused the intervention, as well as the associated Order ID, media type, request status, the operator who worked the intervention (no name will be shown if it has not been worked on), creation time, acknowledgement time, and the short explanation of why the request caused the intervention. Note that the highlighted column heading indicates the currently sorted column. See Table 4.11.15-1 for descriptions of each field on this page.

***Table 4.11.15-1. Open Interventions***

| Field Name | Description |
|---|---|
| Order ID | The Order ID associated with the Request. Clicking on the Order ID will display a “detail” of the Order information. |
| Request ID | The Request ID associated with the Intervention. Clicking on the Request ID will display a detail of the Intervention. |
| Media | The media type this Order/Request uses |
| Status | The current status of the Intervention. This can be one of:<br>PENDING: No operator has been assigned nor any action has yet been taken for the Intervention<br>IN-WORK: An operator has been assigned to an Intervention. This does not necessarily mean an action has been taken. |
| Worked By | The operator currently working the intervention. If no name appears, the Intervention has not been worked or reviewed. An operator must assign a name to the intervention before any modifications can be made. |
| Created | The Creation Date/Time of the Intervention |
| Acknowledged | The Date/Time that an action was first taken or when an operator assigned the intervention to a worker. |
| Explanation(s) | A description of the nature of the error. In the case of an FTP Push failure or Staging error, a special icon will appear to make it easily recognizable. |

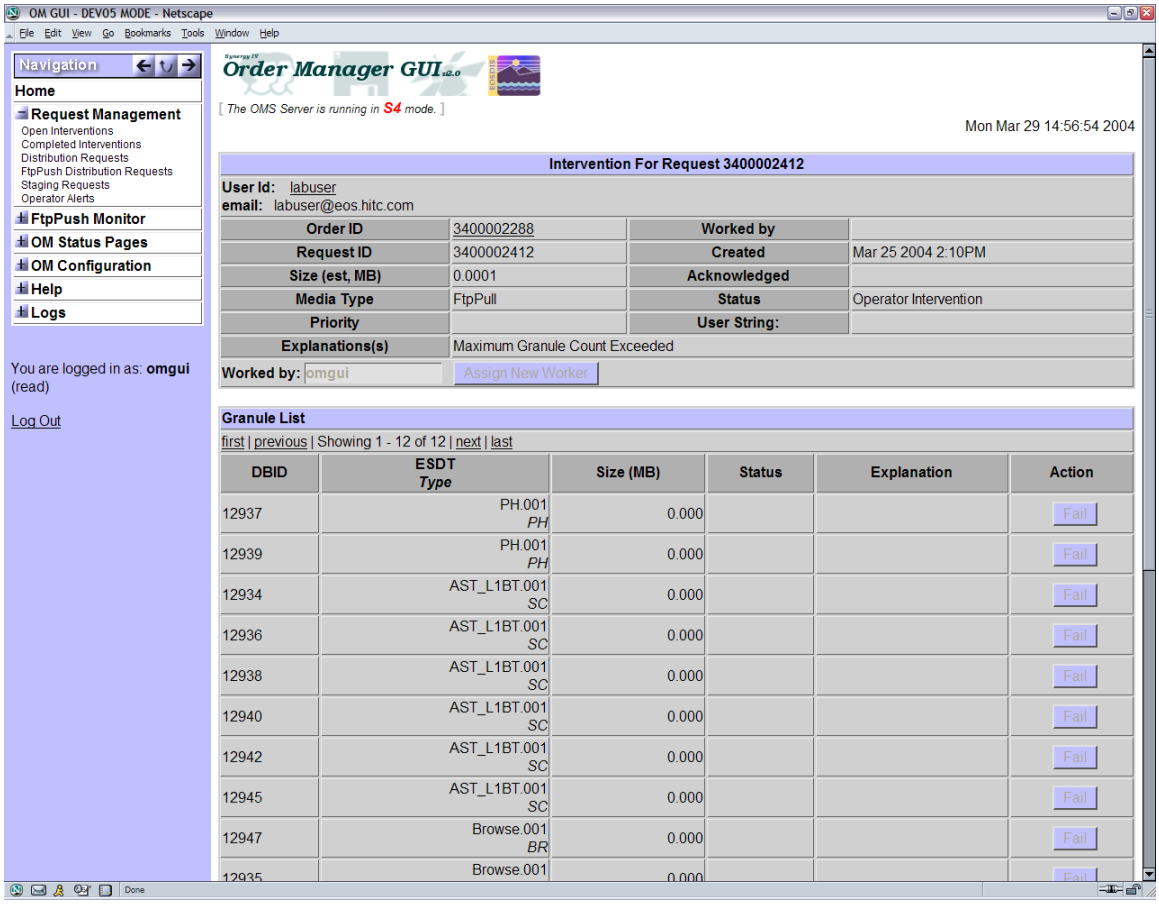



***Figure 4.11.15-5. Open Intervention Detail (Part 1)***

**Note**: This screen shows that button and text boxes are disabled for limited-capability operators.

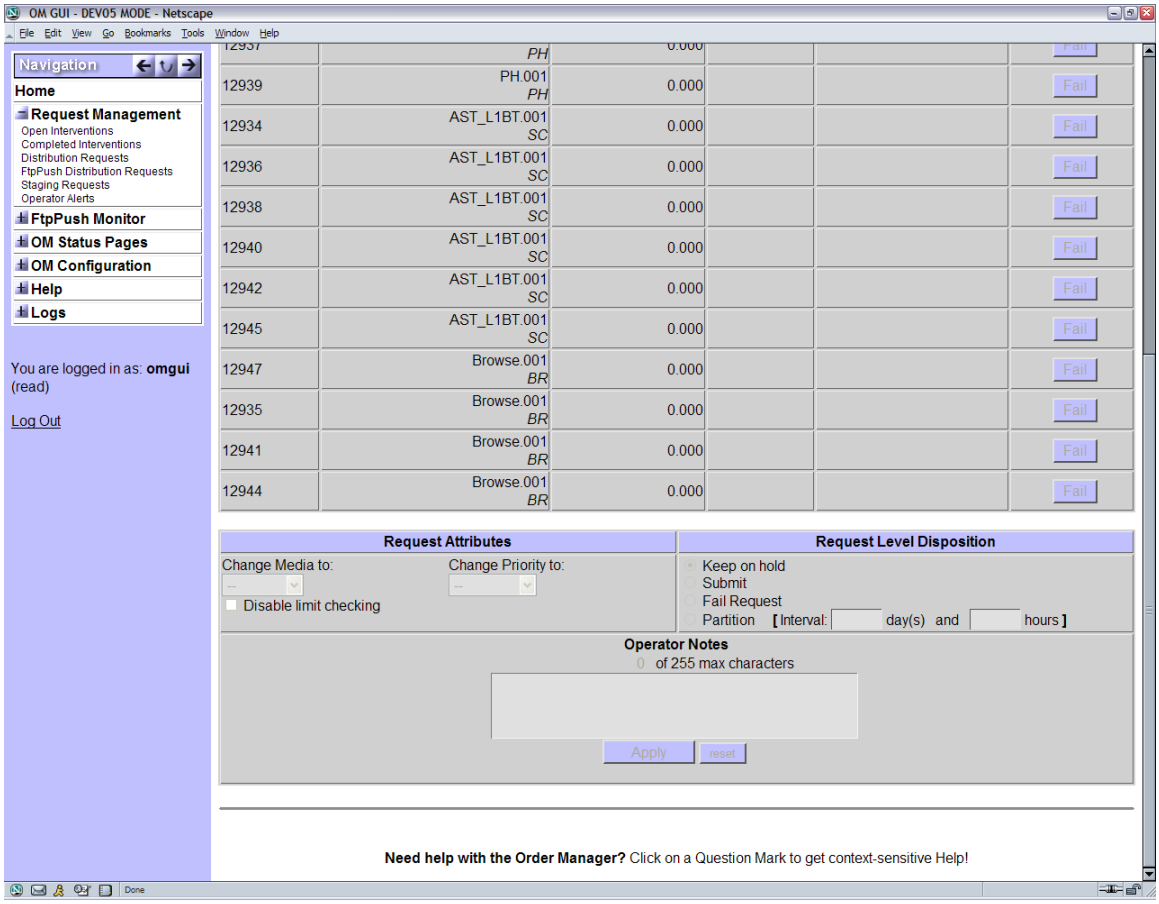



***Figure 4.11.15-6. Open Intervention Detail (Part 2)***

**Note for Limited Capability Operators**: The Open Intervention Detail page is limited to viewing the details of the intervention. No modifications may be made to the Request or Granules for the Request. The operator is also prevented from taking any action on the Intervention.

To view the details of an intervention, click on its Request ID. This will bring you to a separate page (Figure 4.11.15-5 and Figure 4.11.15-6) displaying all of the information on the previous listing, plus the user string (which would show the external request ID if the order source is the MTMGW), and the list of granules associated with the request.

From this page, the operator may take several actions to modify the request. First, any granule may be replaced with another by typing in a new granule ID and clicking “Apply”. The granules may also be failed by clicking the “Fail” button in the far right column on the row for that granule.

Please note that modifications to the granules are independent of the request attributes – i.e., any changes made will not affect the status of the request, and the request will still be in

"Intervention" status until the operator submits the request. See Table 4.11.15-2 for a description of each field on this page.

**Legend:**

FC = Full Capability operator only (the operator can only view this field or control)

all = This field or control does not have any restrictions

***Table 4.11.15-2. Open Intervention Detail Page (1 of 3)***

| Field Name | Perm. Level | Description |
|---|---|---|
| User ID | all | The "owner" of this order, in most cases the person who originated the order. Clicking on the User ID will display a complete profile of the User. |
| Email | all | The e-mail address to which information about this order will be sent (e.g., a granule is failed or changed). |
| Priority | all | The ECS Priority level associated with this Request. These Priority levels are predetermined in the Data Pool. For example, a LOW priority might have a priority of 75. The Priority Levels can be viewed in the OM Configuration Pages under "Aging Parameters". |
| Order ID | all | The Order ID associated with the Request. |
| Request ID | all | The Request ID associated with the Intervention. |
| Size (est., MB) | all | The estimated size in MB of the Request |
| Media | all | The media type this Order/Request uses |
| Status | all | The current processing status of the Request. The Status can be one of "Intervention" or "Suspended" (this applies only FTP Push destination errors that have caused an Operator Intervention). |
| Worked By | FC | The operator currently working the intervention. If no name appears, the Intervention has not been worked or reviewed. An operator must assign a name to the intervention before any modifications can be made. |
| Created | all | The Creation Date/Time of the Intervention |
| Acknowledged | all | The Date/Time that an action was first taken or when an operator assigned the intervention to a worker. |
| Explanation | all | A description of the nature of the error. In the case of an FTP Push failure or Staging error, a special icon will appear to make it easily recognizable. |

*Table 4.11.15-2. Open Intervention Detail Page (2 of 3)*

| Field Name | Perm. Level | Description |
|---|---|---|
| Granule List | | |
| DBID | FC | The Database ID or "Granule ID" for the granule. This is not the full Granule ID as stored in the MSS or Order Manager Databases, rather it is the 16-digit ID as stored in the Data Pool database. The operator can change the DBID by entering the new one in the text box next to the current DBID and clicking apply. Granule IDs must be changed one at a time. Maximum DBID length is 16 digits |
| ESDT | all | The ESDT the granule is associated with, consisting of the ESDT short name and version ID. |
| Size (MB) | all | The size in MB of the granule. |
| Status | all | The current status of the granule. Statuses can be:<br>SKIPPED: The granule has been skipped because it has failed validation (e.g., the granule was not found)<br>NULL: This is the initial state, essentially meaning the status is OK<br>TRANSFERRING: The granule is in the process of being pushed to a destination.<br>SHIPPED: The granule has been delivered to the PDS to be put of a physical medium, or the granule has been pulled.<br>FAILED: FTP Push transfer failure.<br>HOLD: The granules may be placed on "HOLD" if it has failed validation or there are problems writing the granules to the media. |
| Explanation | all | Provides a more detailed explanation of the granule Status |
| Action | FC | If the granule is eligible to be failed a "Fail" button will be provided in this column |
| Request Attributes | | |
| Disable Limit Checking | FC | When the request is submitted, the request size will not be taken into consideration. If the request was too small or too large, this option should be used to bypass these checks. |
| Change Media To | FC | Select the desired new media type for this request. If FtpPush is selected, the operator will be prompted for the FtpPush destination details on the next page. If the media type is being switched from an electronic to a physical medium (e.g., from FtpPull to CDROM), the operator will be prompted for the shipping details on the next page. |
| Update FTP Push parameters | FC | This option will only appear if the media type was originally FtpPush. When this option is checked, the operator will be prompted to change the existing FtpPush parameters on the next page. |

*Table 4.11.15-2. Open Intervention Detail Page (3 of 3)*

| Field Name | Perm. Level | Description |
|---|---|---|
| Request Level Disposition | | |
| Keep On Hold | FC | This will keep the request on "Hold" – i.e., in Intervention status, and will stay on hold until the operator submits or fails the request. This option also saves the operator notes. |
| Submit | FC | This is in effect re-submitting the request with the altered attributes. Once the request is submitted, the Intervention is closed out. When this option is selected, the operator will be prompted to confirm the disposition on the next page (and will possibly be prompted for further details of an altered Request Attribute). |
| Fail Request | FC | Selecting this option will fail the entire request and close out the intervention. The operator will be prompted for confirmation on the next page. |
| Partition | FC | This is in effect submitting the request but with the specification to partition it over the current partition size (see the Media Configuration section for more details on partitioning). If days and/or hours are provided, the request will be partitioned in this time interval. The days and hours fields must be whole numbers with no decimal fractions. |
| Operator Notes | FC | Up to 255 characters can be stored for notes. The notes will only be saved if a disposition is taken on the request, even if a request is failed. When a granule ID is changed, a record of the change is automatically appended in the notes. |

**Close Confirmation**

When the actions have been finalized, click "Apply" at the bottom of the screen. This will bring you to the Close Confirmation page (Figure 4.11.15-7), where the operator will be prompted to verify any actions he/she wishes to take. If the action warrants an e-mail (failed request, partition, modified granules), the operator may add text to the standard e-mail preamble that will be sent out to the configured e-mail address for that user. If the media type has been changed from FtpPush to a physical media type, the operator will be prompted for the shipping address. If the media type has been changed from a physical media type to FtpPush, the operator will be prompted for the FtpPush destination details. Figure 4.11.15-7 shows an example of a Close Confirmation screen with a failed request.

**Note**: Since Limited Capability operators cannot work on an Intervention, the Close Confirmation screen will not be accessible to them.

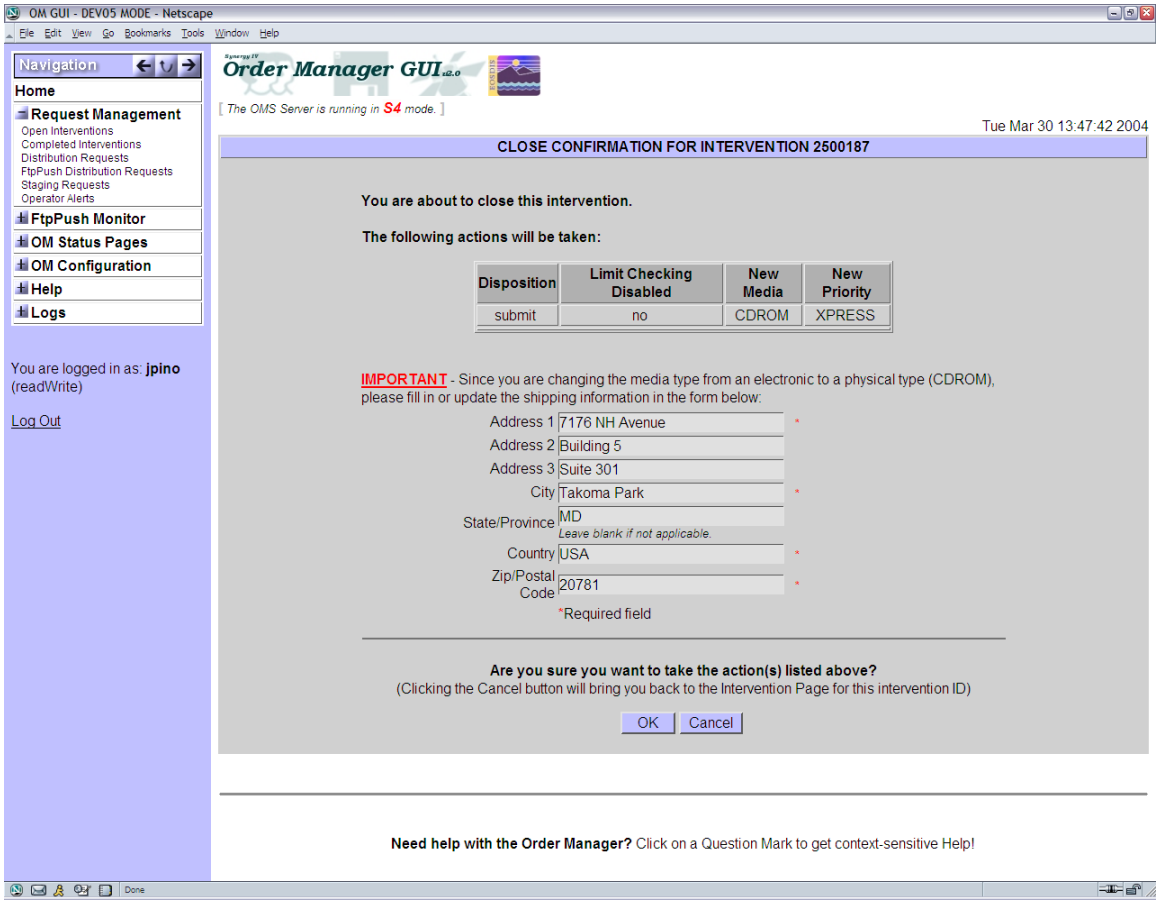



***Figure 4.11.15-7. Close Confirmation Page***

**Note**: This screen would not be visible to limited-capability operators.

After the operator has verified and confirmed the actions, the next screen shows the status of the submitted disposition. Figure 4.11.15-8 shows an example of a successful submission and verifies that the database has been updated with the changes. To get back to the Open Interventions listing, click OK.

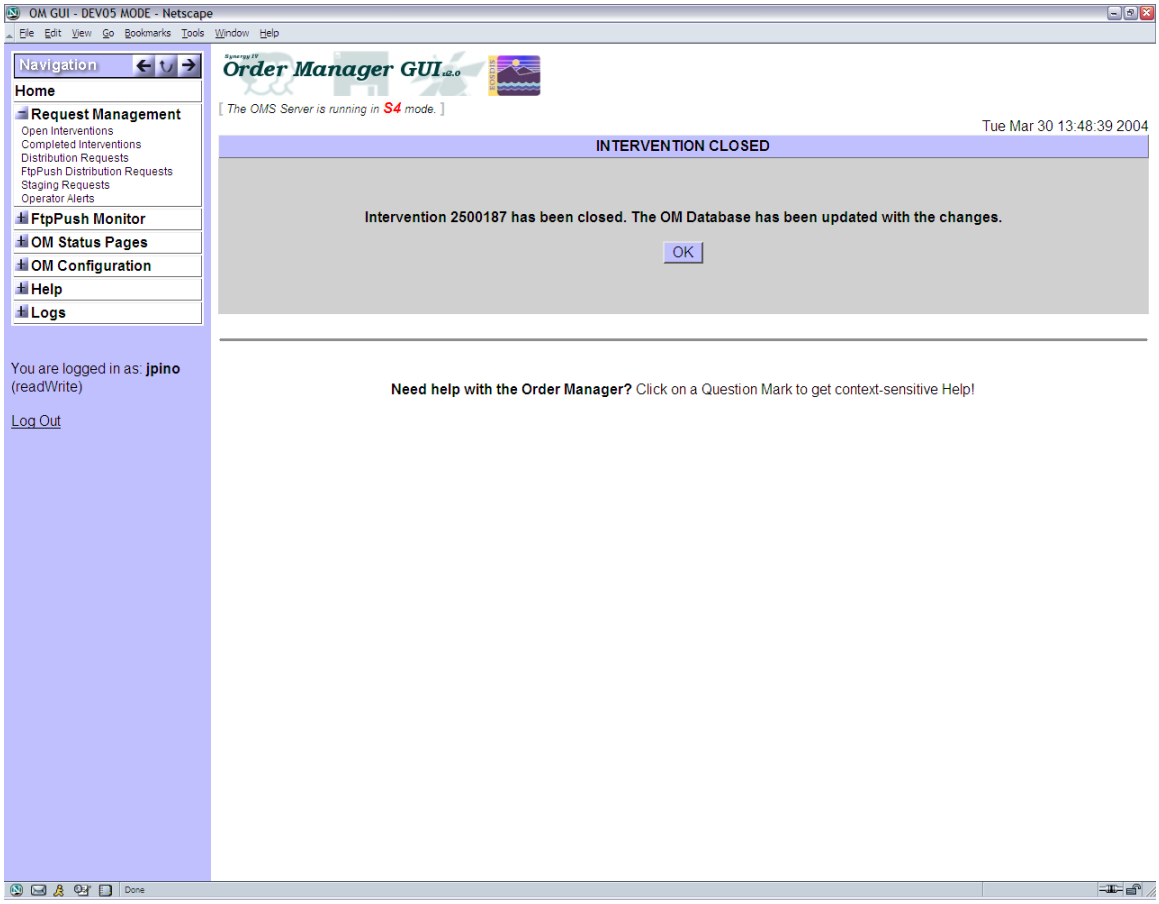



***Figure 4.11.15-8. Close Confirmation Success Screen***

**Note**: This screen would not be visible to limited-capability operators.

Instructions for Working an Intervention

The following are the operator steps to work on an intervention.

1. If no one is currently working on the intervention, the button adjacent to the **Worked by:** field is labeled "Assign New Worker". The operator can type in his or her name if he or she decides to work on this intervention. If there is already a worker assigned to the intervention, the button adjacent to the **Worked by:** field is labeled "Override Current Worker" and the operator can overwrite the displayed worker ID and click on the button. (The general rule is not to overwrite the name unless the previous worker is on vacation or is extremely busy. The change needs to be coordinated.)
2. First, the operator can choose to fail or edit granules (e.g., some granules which are inaccessible can be replaced by new granule DBID; the operator has the responsibility to choose the new granule and specify the new DBID in the entry field next to the old dbId). After the operator clicks on the **Apply** button for any granule to be failed or edited, a dialog

will display to confirm the change to the granule. After the confirmation, the page will be reloaded. The order of the list of granules will be resorted. (Note: Any granule changes will be permanent after the confirmation.)

3. Next, the operator chooses the disposition on the intervention. If desired, the operator can first choose the attributes for disposition. There are always three attributes: 1. **Disable Limit checking**, 2. **Change media to**, and 3. **Change Priority to** A fourth attribute, **Update FtpPush Parameters** will appear if the media type is FTP Push. If the operator chooses the **Disable Limit checking** attribute, the request size limit checking will be disabled (when the **Apply Disposition Request** button is clicked to submit the request – see Step 5). If the operator chooses the **Change Media to** attribute, it is necessary to use the associated option button to select the new media selection from its drop-down list. The operator can choose to skip selecting the attributes. Finally, after choosing attributes (or skipping the selection of attributes), the operator can choose different dispositions. There are four kinds of dispositions:

   - **Keep on hold**. (Normally, the operator can use this disposition to add or update the operator notes on intervention. The intervention is not done.)
   - **Submit**. (The operator can use this disposition to release the intervention (a) without changing anything (just retry) (b) with limits disabled when selecting **Disable limit checking** attribute (c) changing the media when selecting **Change Media to** attribute (normally for the case that granule size exceeds media capacity) (d) retrying with any committed edits to the granules (see Step 2).)
   - **Fail request**.
   - **Partition** (Normally for the case that request size exceeds maximum request size).

4. The operator can also add to or edit the operator notes.

5. Then click the **Apply Disposition Request** button. A confirmation page will display to show the disposition information. For a failed request and granules, the additional e-mail text will display to allow operator to optionally add additional e-mail text. The default is to send e-mail for failed request or granules. However, the operator can choose not to send e-mail. For changing the media to FTP Push, a list of FTP push parameters is shown in the confirmation page.

#### 4.11.15.2.2 Operator Alerts Page

From the navigation menu, click on "Operator Alerts" to open the **Operator Alerts** page (Figure 4.11.15-9). By default, the filter is set to display all types of Alerts and the operator can filter the list for the various Alert types. The types of Operator Alerts that can be displayed are:

- FTP Push Destination Alerts (problems with the destination not causing an Operator Intervention)
- Data Pool File System Alerts
- Archive Server Alerts

- ECS Server Alerts – warnings about SDSRV or PDS errors

The list of alerts will also be sorted in ascending order by date (i.e., the oldest Alerts will appear first). For FTP Push Destination Alerts, the destination could be either a configured or a non-configured destination (not one in the Frequently Used Destinations list, as configured in the FTP Push Policy Configuration page).

The Alert details will be shown in the column adjacent to the Alert Message. This column will contain more specific information about the nature of the problem. For example an FTP Push Alert would show the IP address (or configured alias, if appropriate) and why the destination is having problems.

For FTP Push Alerts, a link will appear in the Alert Details Column, and the operator may click on this to view a listing of all requests associated with the suspended destination. The operator may then modify the request attributes manually. No detail page is available for other types of Alerts, as all of the pertinent details are already displayed.

Unlike an Operator Intervention, no specific action can be taken to close an alert. The Order Manager Server will automatically clear an Alert once all conditions related to the problem are satisfactory.

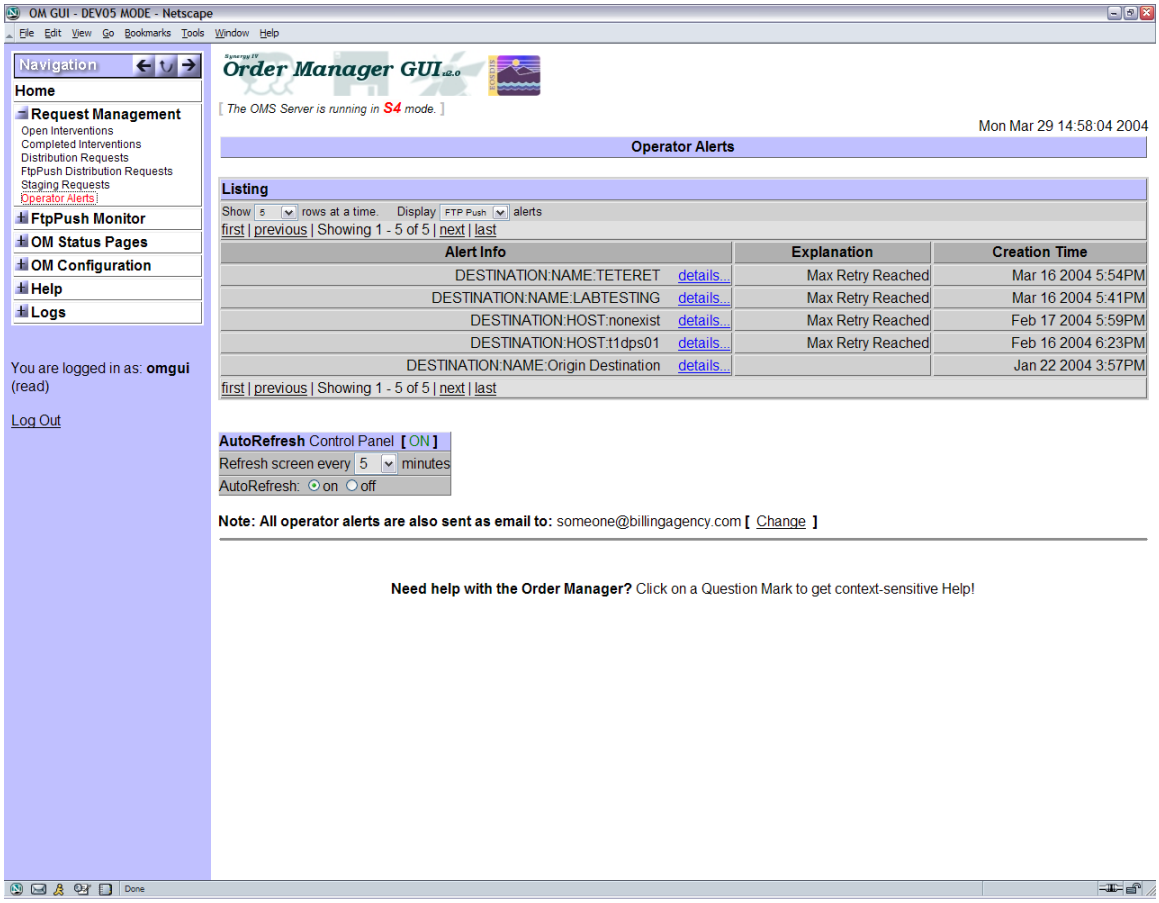



***Figure 4.11.15-9. Operator Alerts***

### 4.11.15.2.3 Completed Interventions Page

From the navigation menu under the **Request Management** subheading, the operator can click on "Completed Interventions" to open the **Completed Interventions** page (see Figure 4.11.15-10). This page displays all completed and closed out Operator Interventions. Once an intervention has been completed on by the operator in the **Open Interventions** page, the item in that list is moved to this page. Table 4.11.15-3 describes all the fields on this page.

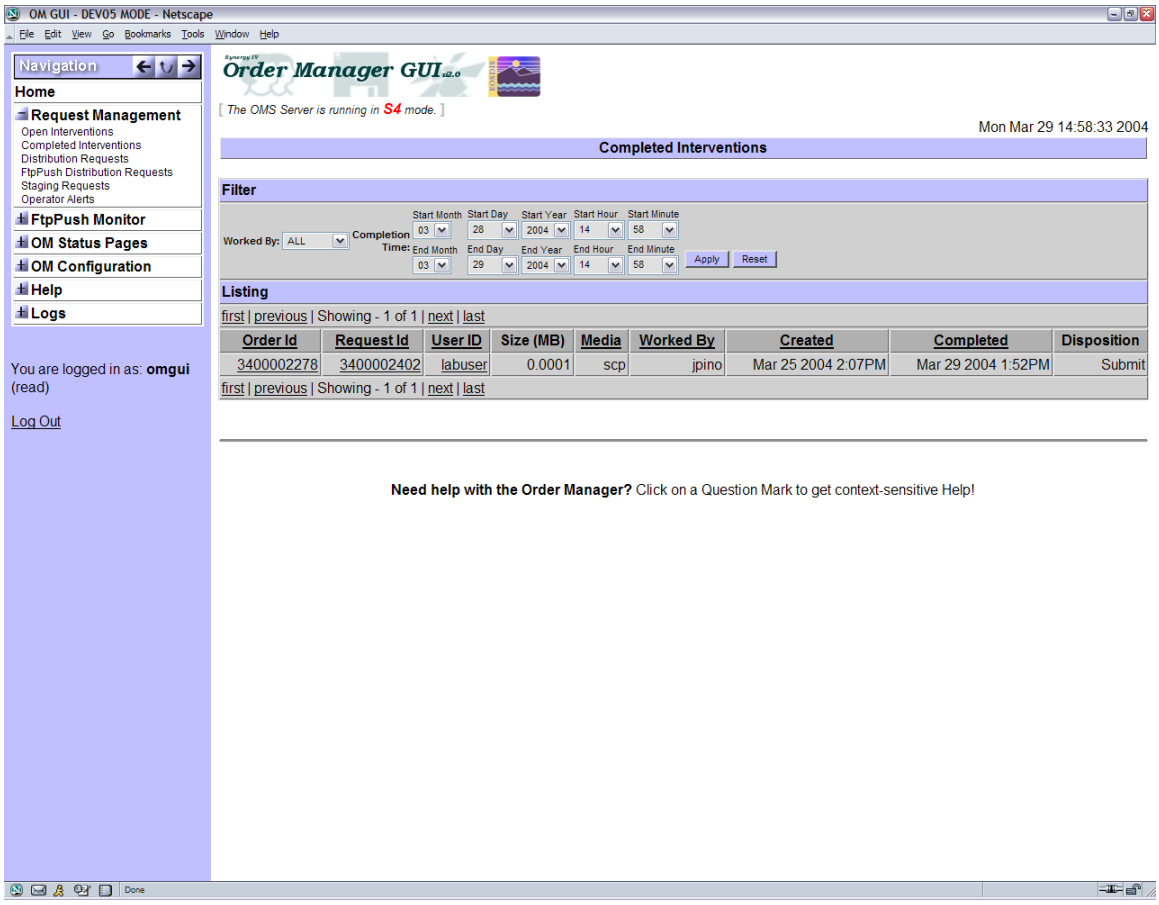



***Figure 4.11.15-10. Completed Interventions Page***

*Table 4.11.15-3. Fields on Completed Interventions Page*

| Field Name | Description |
|---|---|
| Order ID | The Order ID associated with the Request. Clicking on the Order ID will display a "detail" of the Order information. |
| Request ID | The Request ID associated with the Closed Intervention. Clicking on the Request ID will display a detail of the Intervention. |
| User ID | The "owner" of this order, in most cases the person who originated the order. Clicking on the User ID will display a complete profile of the User |
| Size (est., MB) | The estimated size in MB of the Request |
| Media | The media type this Order/Request uses |
| Worked By | The operator who last worked on, resolved, or closed the Intervention. |
| Created | The Creation Date/Time of the Intervention |
| Completed | The Closure Date/Time of the Interventions |
| Disposition | The final action that was taken to resolve the Intervention |

**Filtering The Completed Interventions List**

At the top of the page, the operator may select the time parameters and worker ID by which to filter the list. Once the operator clicks "Apply" in the filter window, the Completed Interventions page is reloaded with the applied filter values.

**Completed Intervention Detail**

By clicking on a Request ID, the operator can view the same details of an Intervention as contained on the Open Intervention Detail page (see Figure 4.11.15-11), except that the operator cannot take any action nor modify the Request in any way. To get back to the Completed Interventions listing, the operator may click "OK".

When viewing the detail of a Completed Intervention, the operator may click on a User ID to view the User Profile or the Order ID to view the Order information. Table 4.11.15-4 describes each field on this screen.

*Table 4.11.15-4. Fields on Closed Intervention Detail Page (1 of 2)*

| Field Name | Description |
|---|---|
| User ID | The "owner" of this order, in most cases the person who originated the order. Clicking on the User ID will display a complete profile of the User |
| Email | The e-mail address to which information about this order will be sent (e.g., a granule is failed or changed). |
| Priority | The ECS Priority level associated with this Request. These Priority levels are predetermined in the Data Pool. For example, a LOW priority might have a priority of 75. The Priority Levels can be viewed in the OM Configuration Pages under "Aging Parameters". |
| Order ID | The Order ID associated with the Request. Clicking on the Order ID will display a "detail" of the Order information. |

*Table 4.11.15-4. Fields on Closed Intervention Detail Page (2 of 2)*

| Field Name | Description |
|---|---|
| Size (est., MB) | The estimated size in MB of the Request |
| Media | The media type this Order/Request uses |
| Worked By | The operator who last worked on, resolved, or closed the Intervention. |
| Created | The Creation Date/Time of the Intervention |
| Acknowledged | The Date/Time the Intervention was first worked on |
| Disposition | The final action that was taken to resolve the Intervention |
| Explanation | This is the explanation of any errors that occurred on the granule-level. |
| DBID | The Database ID or "Granule ID" for the granule. This is not the full Granule ID as stored in the MSS or Order Manager Databases, rather it is the 16-digit ID as stored in the Data Pool database. |
| ESDT | The ESDT the granule is associated with, consisting of the ESDT short name and version ID. |
| Granule Type | Identifies whether granule is a type of Science, Quality, Processing History, Browse, or DataPool |
| Size (MB) | The size in MB of the granule. |
| Status | **The current status of the granule. Statuses can be:**<br>SKIPPED: The granule has been skipped because it has failed validation (e.g., the granule was not found)<br>NULL: This is the initial state, essentially meaning the status is OK<br>TRANSFERRING: The granule is in the process of being pushed to a destination.<br>SHIPPED: The granule has been delivered to the PDS to be put of a physical medium, or the granule has been pulled.<br>FAILED: FTP Push transfer failure.<br>HOLD: The granules may be placed on "HOLD" if it has failed validation or there are problems writing the granules to the media. |
| Explanation | Provides a more detailed explanation of the granule Status |
| Operator Notes | This will contain a record of the DBID changes, plus any notes the operator may have manually typed in. |

### Viewing Order Information

As with the **Open Interventions** page, the operator may click on an Order ID to view the details of the Order associated with the request.

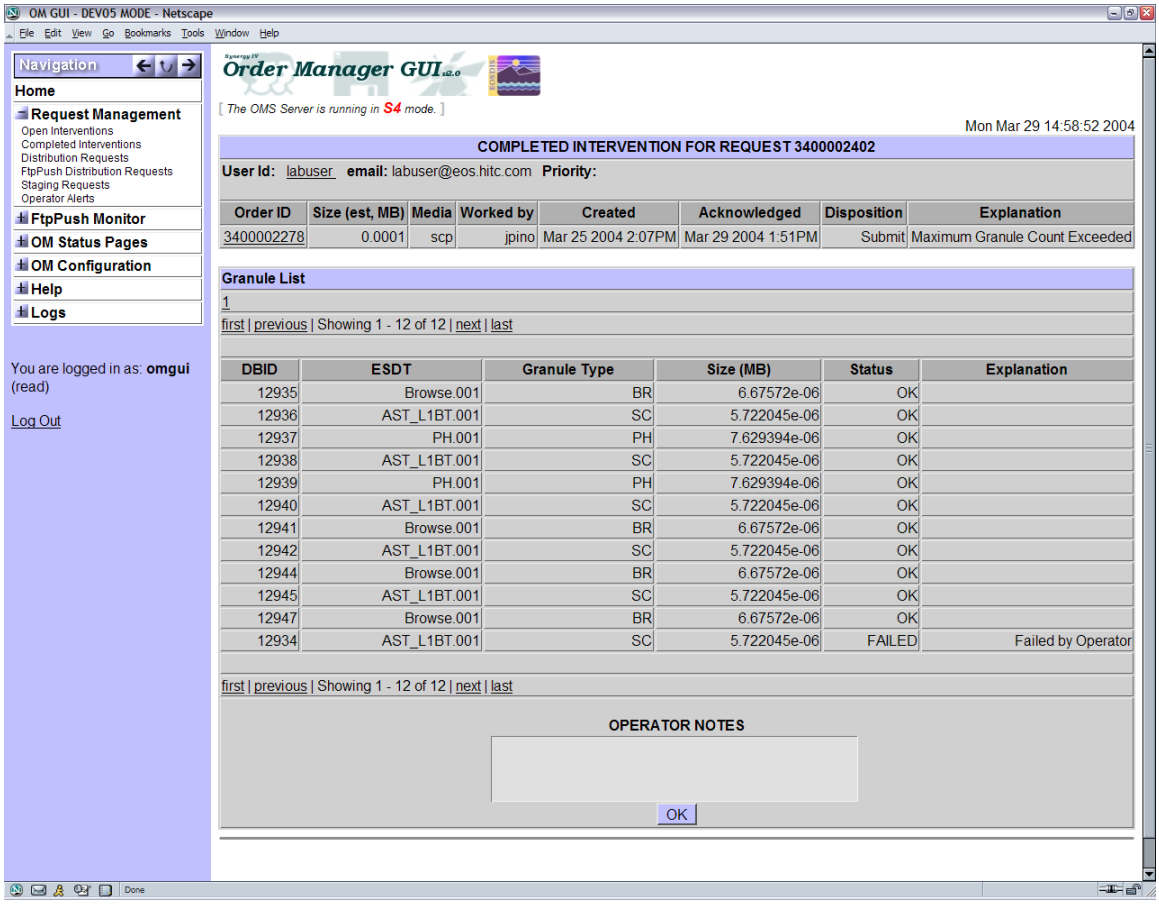



***Figure 4.11.15-11. Completed Intervention Detail Page***

### 4.11.15.2.4 Distribution Requests Pages

The subsections are:

- Distribution Requests
- FtpPush Monitor
    - FtpPush Suspended Destinations
    - FtpPush Distribution Requests
- Staging Requests

Lists of distribution requests also appear on the Order page, for bundling orders only, and on the Destination Detail page, requests not in a terminal state only. All actions that apply to other lists of distribution requests are available on these pages as well.

### 14.11.15.2.4.1 View Distribution Requests

There are five pages that display a Distribution Requests list. These are:

- Distribution Requests (All)
- FtpPush Distribution Requests
- Staging Requests
- Ftp Push Monitor – Destination Detail (FTP Push Requests That Are Not In A Terminal State)
- Order Page – Bundling Orders only

These pages share many common features, which will be described in the next section followed by descriptions of unique features of each page.

### 4.11.15.2.4.2 Distribution Requests Lists – Common Features

### Request Lines

Each line of the request list shows pertinent fields for a specific request. A few fields are not shown in every list. These are specified in the unique features sections. Table 4.11.15-5 is a list of fields that appear for each request line.

***Table 4.11.15-5. Fields Displayed (1 of 2)***

| Field Name | Data Type | Size | Description |
|---|---|---|---|
| Ord Typ | Character | 8 | "Regular" or "Bundled" or "MM" |
| Prc Mod | Character | 8 | Processing Mode, S3 or S4. Appears only if the request mode is different than the current OMS mode. |
| OrderId (all but Order page) | Integer | 8 | UID for this order created internally. This is a link to the Order page for this order. |
| RequestId | Link/Integer | 10 | UID for a request created in MSS. This is a link to the Request Detail page. |
| Request Size(MB) | Integer | 8 | Cumulative size of granule science/metadata files in MB. Formatted as follows: for zero value – "0", for value > 0 and < .5 – "< .5", for all other values - rounded to the closest integer. |
| Gran Cnt | Integer | 8 | Number of granules associated with the request |
| Complete (Staging Request Page) | Integer | 8 | Number of granules that have completed staging |
| Complete (FTP Push Requests Page) | Integer | 8 | Number of granules that have completed FTP Push |

*Table 4.11.15-5. Fields Displayed (2 of 2)*

| Field Name | Data Type | Size | Description |
|---|---|---|---|
| Media. (All but FtpPush Requests and Destination Detail pages). | Character | 8 | Type of media associated with the request |
| Priority (s3) | Character | 6 | If the request is not in a terminal state and has not been submitted to PDS, this is a list of possible request priorities. The current priority of the request is highlighted.<br>Otherwise, the current priority is displayed and cannot be changed. |
| Apply (priority) Button | Button | n/a | Click to change the priority of the request to the selected value. |
| Request Status | Character | 21 | MSS status of the request. If the status is "Operator Intervention" and an OMS intervention exists, the status will be a link to the Intervention Detail page for the intervention. |
| Resource Class | Character | 9 | Resource class is an indicator of resource utilization based on archive resource demand. Values are: Cheap, Moderate, or Expensive |
| ESDT | Character | 12 | Earth science data type |
| UserId | Character | 8 | Identification of the user submitting the request. This is a link to the User Profile page for the userId |
| Resub Cnt | Integer | 5 | Number of times specified request has been resubmitted. |
| Created | Date/Time | 19 | Date/time the request was created |
| Last Update | Date/Time | 19 | Date/time the request was last updated |
| Actions | Buttons | 8 | One button for each Action for which the request is eligible. See section "Actions" for details |

## Navigation

The operator can scan through the list of requests by clicking on navigation links. These links permit selecting a specific starting row of requests or jumping to the **first**, **next**, **previous** or **last** block. The operator can jump to a specified row by entering the row number in the box in the **Go directly to row __** of nnnn **rows** line and clicking on the **OK** button. The number of requests

displayed on a page is configurable. Table 4.11.15-6 provides descriptions of the navigation fields for the Distribution Requests page.

***Table 4.11.15-6. Request Management Page Navigation Field Descriptions***

| Field Name | Data Type | Size | Entry | Description |
|---|---|---|---|---|
| Go directly to row (line no.) of nnnn | Integer | 5 | Optional | Line number of request to display at the top of the list |
| OK | Button | n/a | Optional | Refreshes the list starting with request line entered. |
| first | Link | n/a | Optional | Selects first block of requests |
| <previous | Link | n/a | Optional | Selects previous block of requests |
| next> | Link | n/a | Optional | Selects next block of requests |
| last | Link | n/a | Optional | Selects last block of requests |
| Show nn rows at a time | Drop down list | 3 | Optional | Number of rows(nn) to display in the Distribution Requests listing. Default value is taken from the configuration file. |

## Refresh

This page will be refreshed by default every 5 minutes. The operator can change the refresh rate by selecting from the pull down list. The operator can also choose to suspend refresh by clicking the **AutoRefresh Control Panel** on/off button. If any field is changed the new value is stored and the page refreshes immediately. See Table 4.11.15-7 for Field Descriptions.

***Table 4.11.15-7. Request Management Page Refresh Field Descriptions***

| Field Name | Data Type | Size | Entry | Description |
|---|---|---|---|---|
| AutoRefresh Control Panel [ON/OFF ] | Toggle switch | n/a | Optional | Turns auto-refresh on or off depending upon the current state. |
| Auto-refresh screen every (minutes) | Integer | 2 | Optional | Interval in minutes for screen auto-refresh |

## Filters

The list of current filters for the displayed request list is shown at the top of the page. To change these filters, the operator clicks on the **Change Filter** button. This will cause a pop-up window to appear containing fields for changing the various filters. Once the operator has selected the desired filters and clicks the **Apply Individual Filters, the Apply Combined Filters** or the **Apply Defaults** button, the Distribution Requests list will be refreshed with the new filters. The Distribution Requests Filters page field descriptions are shown in Table 4.11.15-8.

*Table 4.11.15-8. Distribution Requests Filter Page Field Descriptions (1 of 2)*

| Field Name | Data Type | Size | Entry | Description | Default Value |
|---|---|---|---|---|---|
| Individual Filters – only one item from this group may be entered | | | | | |
| Order ID | Integer | 11 | Optional | Order ID of requests to be selected. | None |
| Request ID | Integer | 11 | Optional | Request ID of request to be selected. | None |
| E-Mail | Character | 15 | Optional | E-Mail address of requests to be selected. | None |
| First Name | Character | 12 | Optional | First Name of requests to be selected. | None |
| Last Name | Character | 12 | Optional | Last Name of requests to be selected. | None |
| Clear Button | Button | n/a | Optional | Clears value in any field in this group and disables the Apply Individual Filters button. | n/a |
| Apply Individual Filters | Button | n/a | Optional | Applies the field in Individual filter group which has text entered. | n/a |
| Combined Filters – these filters will be “anded”. At least one value for Status and Media Type is required. | | | | | |
| Creation time from/to | Character | n/a | Required Defaults need not be changed | Select from pull-down lists to specify a starting date and time and an ending date and time for filtering | To: current date/time.<br>From current date/time minus 24 hours. |
| Status Select - All | Button | n/a | Optional | Selects all status values in the status scrolling list. | n/a |
| Status Select - None | Button | n/a | Optional | De-selects all status values in the status scrolling list. The warning message “A selection must be made..” is highlighted until a selection for status is made. | n/a |
| Status Select List | Scrolling List | n/a | Optional | Clicking on an entry in the list selects it if it is de-selected or de-selects it if it is selected. Any number of entries may be selected. | All statuses are selected. |

***Table 4.11.15-8. Distribution Requests Filter Page Field Descriptions (2 of 2)***

| Field Name | Data Type | Size | Entry | Description | Default Value |
|---|---|---|---|---|---|
| Media Type Select - All | Button | n/a | Optional | Selects all media type values in the media type scrolling list. | n/a |
| Media Type Select - None | Button | n/a | Optional | De-selects all media type values in the media type scrolling list. The warning message "A selection must be made .." is highlighted until a selection for media type is made. | n/a |
| Media Type Select List | Scrolling List | n/a | Optional | Clicking on an entry in the list selects it if it is de-selected or de-selects it if it is selected. Any number of entries may be selected. | All Media Types are selected. |
| User ID | Character | 8 | Optional | User ID, entered to specify a user ID for filtering. | None |
| Apply Combined Filters | Button | n/a | Optional | Applies above "Combined" filters to the request list. | n/a |
| General Buttons | | | | | |
| Set Defaults | Button | n/a | Optional | Sets all filter selections to their default values on the Filters page. | n/a |
| Apply Defaults | Button | n/a | Optional | Sets all filter selections to their default values on the Filters page and applies these values to the corresponding requests List Page. | n/a |
| Close Window | Button | n/a | Optional | Closes the Requests Filter window. | n/a |

Any attributes that the operator selects/entered will be remembered for the duration of the session, but only those in the group whose Apply button has been clicked will be used to filter the distribution requests list. There are two categories of filtering attributes, Individual Filters and Combined Filters. Either Individual Filters or Combined Filters can be applied at one time

To select Individual Filters, the operator enters one of the five fields displayed, Order ID, Request ID, E-Mail, First Name and Last Name. If a value is entered in a field, the other four fields will be disabled. To clear the entered field and enable all fields, delete the entered value or click on the Clear button. A click on the Apply Individual Filters button applies the entered field entries and reloads the Distribution Requests window.

To select Combined Filters, the operator selects or enters values for the desired attributes. The Creation Date Filters are initially set to: End Time - the current date/time, and Start Time - 24 hours before the current. date/time If initial (default) date/time values are not changed, they will update to the current time whenever they are applied. The operator can change these attributes by clicking on the down triangle, which appears next to the value of each attribute, and then clicking on a value from the drop-down list that is displayed. The drop-down lists show all possible values for month, day, hour and minute. For year, only the current year and one year previous are shown for selection.

At least one value must be selected for each of Status and Media Type attributes. The selected/entered attributes are "anded" for filtering. This means that only requests having all of the selected attributes will be displayed. If at least one value for each of Status and Media Type is not selected, the warning message "A selection must be made …" is highlighted and the Apply Combined Filters button is disabled until the required values are selected.

The Status Select and Media Type Select lists initially display all possible statuses/media types for a request with all values selected. The operator can click on the **None** button to deselect all entries in a list or **All** button to select all entries again. Also, the operator can click on an individual status/media type entry in the scrolling list to select or deselect it. If the entry was selected, it will be deselected. If the entry was deselected, it will be selected. Any number, more than 0, or combination of statuses or media types may be selected. To select multiple values from one list, hold down the Ctrl key while clicking on values after the first. To select a range of values from one list, click on the value at the start of the range and then hold down the Shift key while selecting the value at the end of the range.

All Combined Filter attributes will be applied when the operator clicks the Apply Combined Filters button at the lower right corner of the group. The Distribution Requests window will be reloaded filtered by the selected/entered attributes.

The three buttons at the bottom of the window are Set Defaults, Apply Defaults and Close Window.

- **Set Defaults** restores the default values to all filter attributes as they were when the session first began. The distribution requests page is not updated. The operator may make additional changes to the filters before applying them to the distribution requests page.

- **Apply Defaults** restores the default values to all filter attributes on the Filter page, as they were when the session first began and also applies these values to the distribution requests page.

- **Close Window** closes the Request Filters window. It does not affect the Distribution Requests window.

The Distribution Requests Filters window remains open until the operator clicks the Close Window button at the bottom of the window or until its corresponding distribution requests page is replaced by another page.

### Sorting

The request list can be sorted by clicking on the column header links **Request ID**, **Order ID**, **Destination**, **FtpPush Complete**, **Request Status, Capacity Class**, **User ID**, **Created** and **Last Update** wherever they appear.

### Actions

**Note:** Limited Capability operators are not allowed to execute actions for requests

The operator can execute the following actions for any request that is eligible for the action by clicking on the button of the action. The action buttons will appear for only actions for which the request is eligible.

**Resubmit** for any request with a terminated status (including cancel, abort, aborted and shipped). Resubmitting a request in this way opens a new intervention for the request so that the operator can set various parameters (see Close Confirmation paragraph under Section 4.11.15.2.1).

**Suspend** for anyS4 request which:  still needs to be staged or granules for the request still need to be pushed

**Resume** for anyS4 request: which was suspended by the OM GUI operator or while the processing of new requests by the OMS is suspended

**Cancel** aS4 request that is not in a terminal state and while granules for the request still need to be staged or while granules for the request still need to be pushed.

Table 4.11.15-9-8explains the actions and the criteria for a request to be eligible for each action.

*Table 4.11.15-9. Eligibility Criteria for Each Action*

| Action | Description | Criteria for Eligibility |
|---|---|---|
| Resubmit | Opens a new intervention for the request and loads the "Intervention Detail" page for subsequent action. | The request is in a terminated status (including cancel, abort, aborted and shipped) |
| Suspend | Suspends the request. The request is suspended, the distribution requests page is reloaded and the highlighted message "Suspended" is displayed in the Action column for the request. | The request is not in a terminated status<br>And is for S4<br>And is not currently suspended,<br>And granules still need to be staged or Ftp pushed. |
| Resume | Resumes the request. A small popup window, "Confirm Resume for Request ID", appears for entry of the Worker name and Reason for Action. When login security is on, the operator's login id is inserted in the Worker name field. When the operator clicks the 'Apply "Resume Action" ' button, the request is resumed, the distribution requests page is reloaded and the highlighted message "Resumed" is displayed in the Action column for the request. | The request is not in a terminated status<br>And is for S4<br>And is suspended<br>And was suspended by the operator<br>Or is a new request and processing of new requests is suspended |
| Cancel | Cancels the request. A small popup window, "Confirm Cancel for Request ID", appears for entry of the Worker name and Reason for Action. When login security is on, the operator's login id is inserted in the Worker name field. When the operator clicks the 'Apply "Cancel Action"' button, an action is queued for the Order Manager server to cancel the request. The distribution requests page is reloaded and the highlighted message "Cancelling" is displayed in the Action column for the request. No other action buttons will be shown. When the OM Server subsequently completes the cancel action and the distribution requests page is reloaded, the "Cancelling" message will be gone and a "Resubmit" button will be displayed. | The request is in a terminated status and is for S4. |

## Change Priority

**Note:** Limited Capability operators are not allowed to change the priority of a request.

The priority of an S4 request can be changed while the request is not in a terminal status and the request has not been "Submitted to PDS." The operator can change the priority of a distribution request by clicking on its Priority value and selecting the desired new priority value from the drop-down list. Then the operator must click on the associated **Apply** button. Once the new priority has been applied, the priority cell will display the highlighted message "Priority Changed".

### Links

**OrderID** The operator can view the detailed information for the order to which a distribution request belongs by clicking on its OrderID.

**RequestID** The operator can view the detailed information for a distribution request by clicking on its Request ID.

**UserID** The operator can view the detailed information about the user who submitted the order containing the distribution request by clicking on its UserID.

**Refresh Control**

This page will be refreshed by default every 5 minutes. The operator can change the refresh rate by selecting from the pull down list. The operator can also choose to suspend refresh by clicking on the Suspend refresh radio button.

### 4.11.15.2.4.3 Distribution Requests Lists – Unique Features

### Distribution Requests Page

The operator may **Suspend New Requests** or **Resume New Requests** by clicking on the corresponding button.

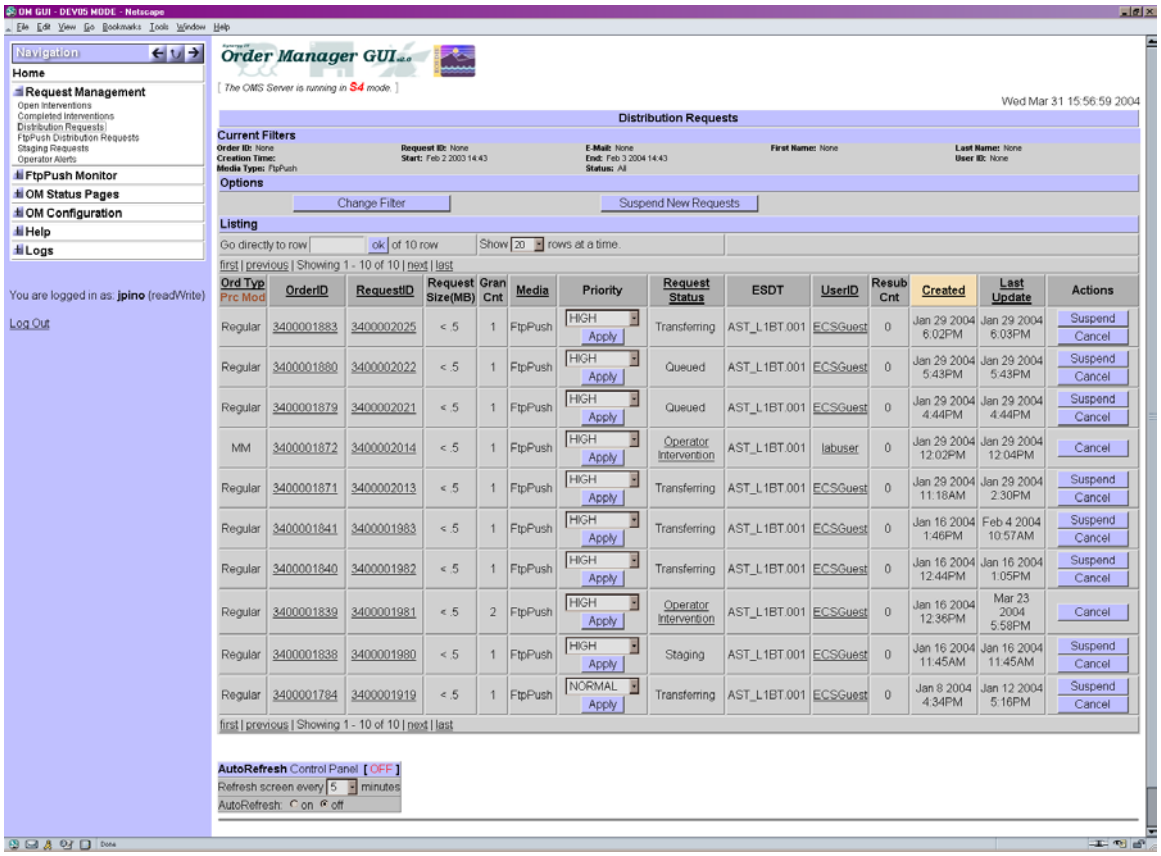



***Figure 4.11.15-12. Distribution Requests List Page***

## FtpPush Distribution Requests

The FtpPush Distribution Requests page does not have a filter for media type. For each request in the list, values for destination, completion status and resource class are shown. The operator can sort the list by completion status and resource class by clicking on the corresponding column headings.

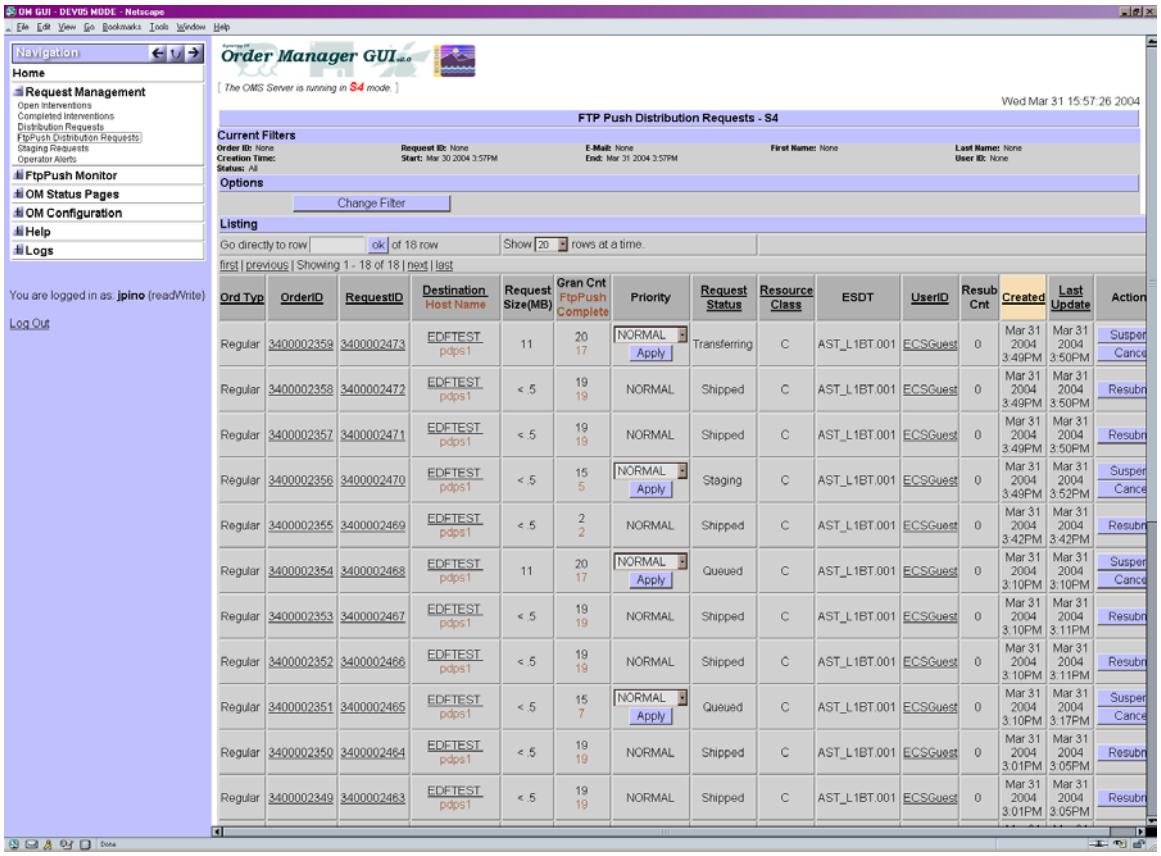



***Figure 4.11.15-13. FtpPush Distribution Requests Screen***

## Staging Requests

The Staging Requests page displays for each request in the list, values for completion status and resource class. The operator can sort the list by completion status and resource class by clicking on the corresponding column headings. Only S4 requests are shown.

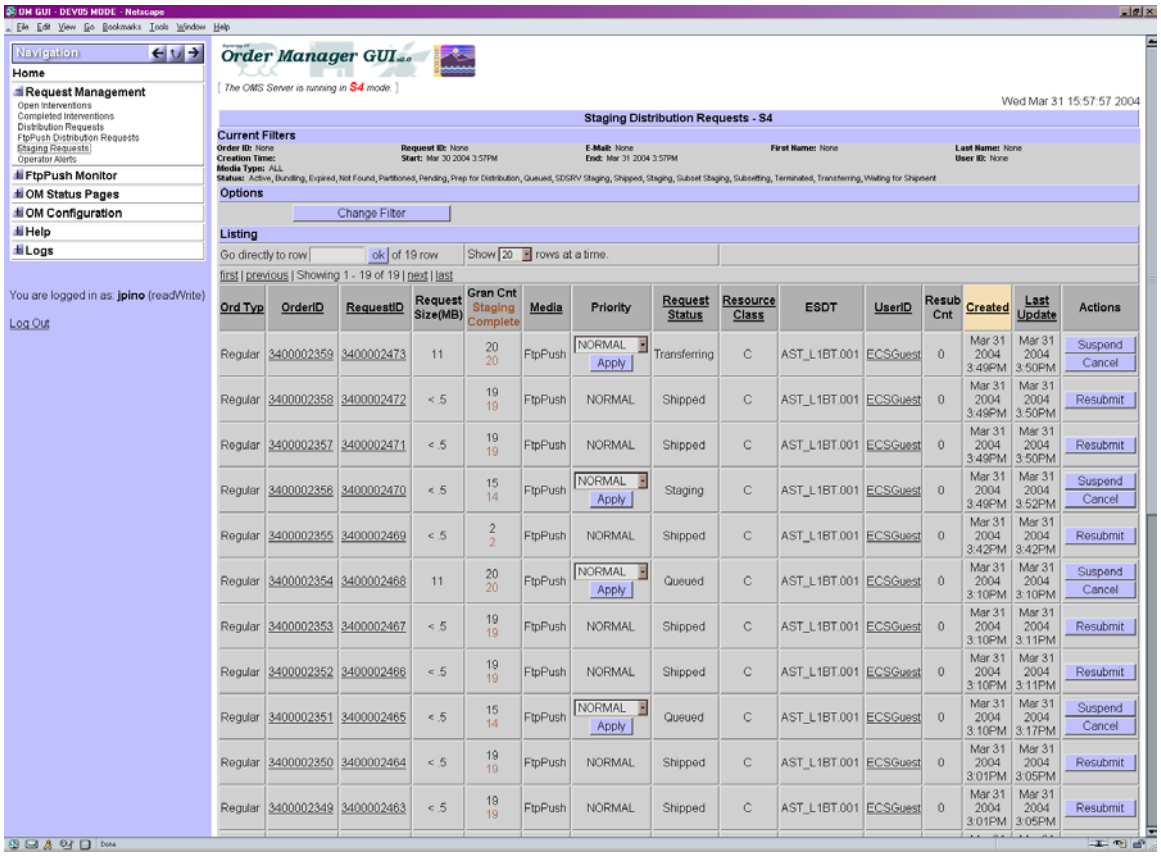



***Figure 4.11.15-14. Staging Requests List Page***

### 4.11.15.2.4.4 Distribution Request Details Page

The operator can click the request ID in any **Distribution Requests** page to display the detailed information for a request, as shown in Figure 4.11.15-15.

The operator can click the **UserID** link to view the user profile for that user or click on the **OrderID** link to view the ECS order page.

The operator can change the priority of certain requests. **For a complete description of this feature see section** 4.11.15.2.4.2 **Distribution Requests Lists – Common Features. Note:** Limited Capability operators cannot change the priority of a request.

For Ftp Push requests, the operator can Edit FtpPush Parameters by clicking on the corresponding button. This causes the Edit FtpPush Parameters page to be displayed. **Table** 4.11.15-10 provides field descriptions for the entry of these values. **Note:** This feature is disabled for Limited Capability *operators.* Also*,* the operator can click Destination/Host Name to view the Destination Detail page..

The operator can perform actions for which the request is eligible. See Section 4.11.15.2.4.2 **Distribution Requests Lists – Common Features.** for a description of actions and the types of requests they apply to.

The operator can scan through the granule list by clicking on navigation links. These links permit jumping to the **first**, **next**, **previous** or **last** block. The number of granules displayed in the table can be changed by clicking a value from the "Show xx rows at a time" drop-down list. If the Distribution Request information at the top of the page indicates that the request is associated with a bundling order, the Granule List at the bottom reflects the contents of the current bundle.

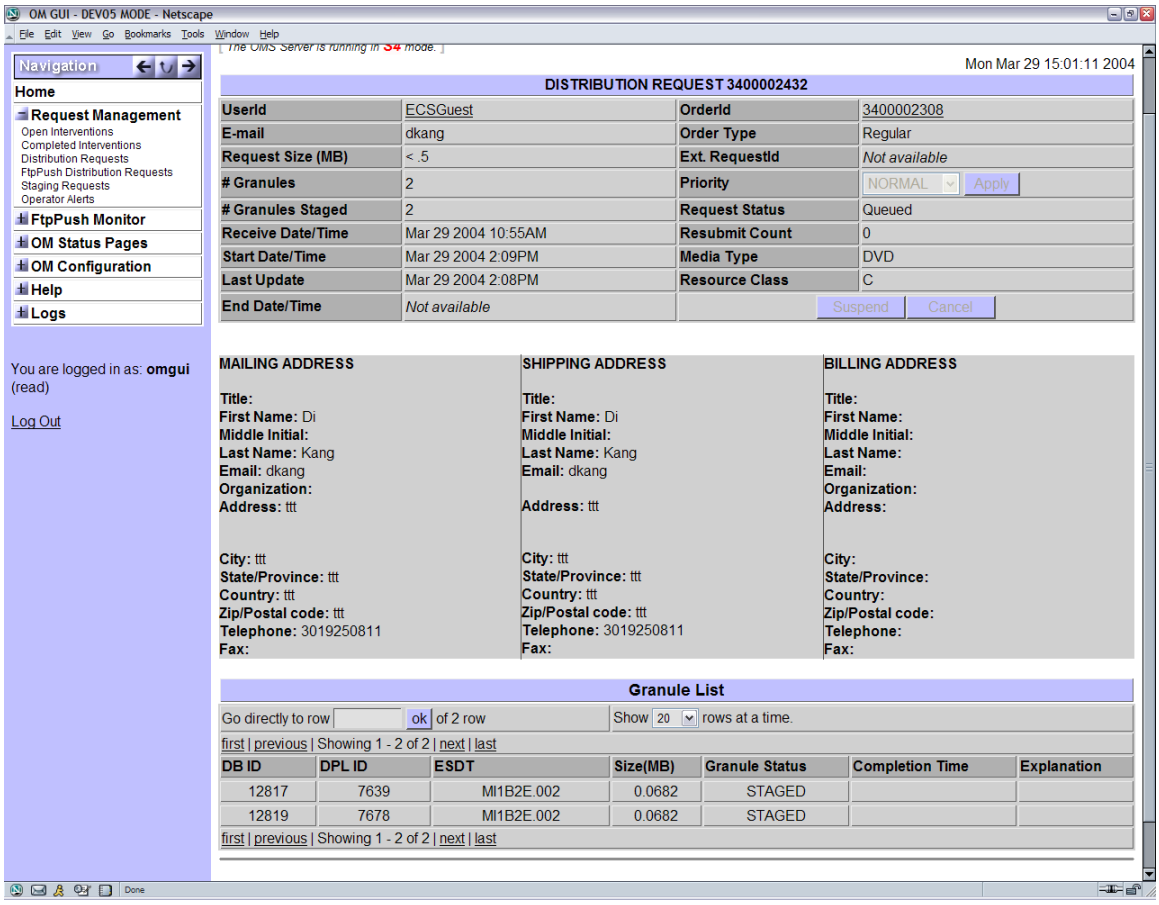



***Figure 4.11.15-15. Distribution Request Details Page***

### 4.11.15.2.4.5 Edit FtpPush Parameters Page

**Note:** This page is not accessible to Limited Capability operators.

The Edit FtpPush Parameters Page displays a list of FTP Push parameters which can be edited by the operator. The operator can enter or change the value of any of the parameters displayed. The operator then clicks on one of the buttons at the bottom of the page. Button actions are:

- Change This Request – changes the FtpPush Parameters for the request listed and returns to the Request Detail Page.
- Change All Requests - changes the FtpPush Parameters for all requests for the destination listed and returns to the Request Detail Page.
- Cancel – cancels all changes to FtpPush Parameters and returns to the Request Detail FtpPush Page.

Figure 4.11.15-16 shows the Edit FtpPush Parameters Page.

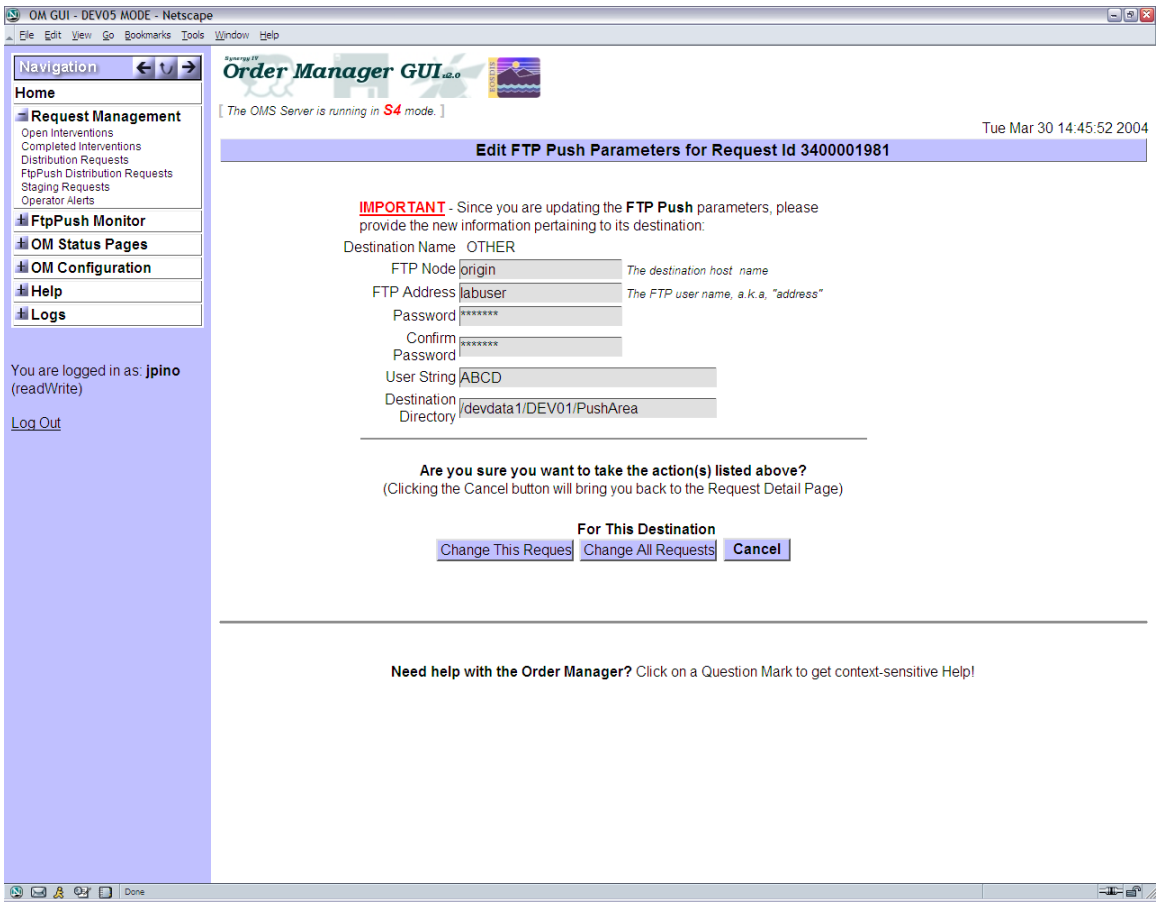



***Figure 4.11.15-16. Edit FtpPush Parameters Page***

*Table 4.11.15-10. Field Descriptions for Edit FtpPush Parameters Page*

| Field Name | Data Type | Size | Entry | Description |
|---|---|---|---|---|
| FTP Node | Varchar | 20 | Required | The Unix hostname of the FTP recipient |
| FTP Address | Varchar | 14 | Required | The Unix login ID of the FTP recipient |
| Password | Varchar | 15 | Required | The Unix password for the FTP recipient |
| Confirm Password | Varchar | 15 | Required | The Unix password verification for the FTP recipient |
| User String | Varchar | 255 | Optional | String to be inserted into the FTP parameters |
| Destination Directory | Varchar | 255 | Required | The pathname of the Unix directory where the acquired files are to be stored |

### 4.11.15.2.6 FTP Push Monitor

#### 4.11.15.2.6.1 Suspended FTP Push Distribution Destinations Page

**Note:** Limited Capability operators cannot take any actions on this page.

The FTP Push Distribution Destinations Displays a list of suspended FTP Push Destinations. The operator can see details for a destination by clicking the name of the destination (for a configured destination) or the hostname (for a non-configured destination) to be viewed. This displays the Ftp Push Monitor – Destination Details page described in Section 4.11.15.2.6.3 FTP Push Destinations Detail Page.

The operator can **Resume** Dispatching to a destination by clicking its **Resume** button.

The Active Destinations section allows the operator to enter either a Destination Name or Ftp Node (hostname) and either suspend the destination or see the Ftp Push Monitor – Destination Details page for the destination. An S3 destination cannot be suspended.

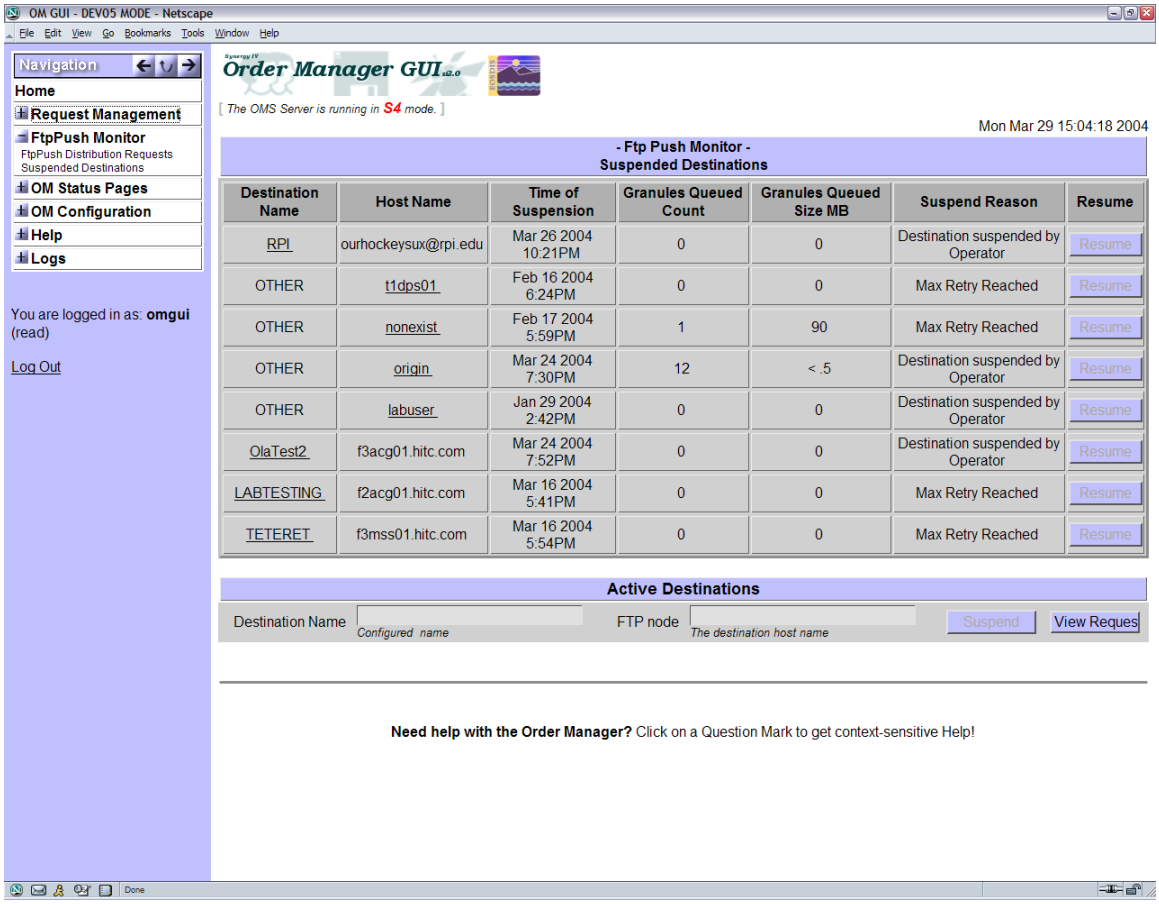



***Figure 4.11.15-17. Suspended Destinations page***

***Note:*** *Limited Capability operators cannot take any actions on this page.*

The FTP Push Distribution Destination Detail Page displays a **Suspend/Resume** button, a list of FTP Push Operations that Caused the Suspension of the destination and a list of FTP Push Requests That Are Not In A Terminal State for the destination.

The Suspend/Resume button is labeled **Resume** if the destination is suspended and **Suspend** if the destination is active. Clicking this button will suspend or resume the destination.

For a description of the list of FTP Push Requests, see section 4.11.15.2.4.3. View Distribution Requests.

### 4.11.15.2.6.3 FTP Push Distribution Destinations Detail Page

**Note**: Limited Capability operators cannot take any actions on this page.

The FTP Push Distribution Destinations Detail Page displays a list of FTP Push Operations that Caused the Suspension of the destination selected and a list of FTP Push Requests That Are Not In A Terminal State for the destination selected.

For a description of the list of FTP Push Requests see section 4.11.15.2.4.3.

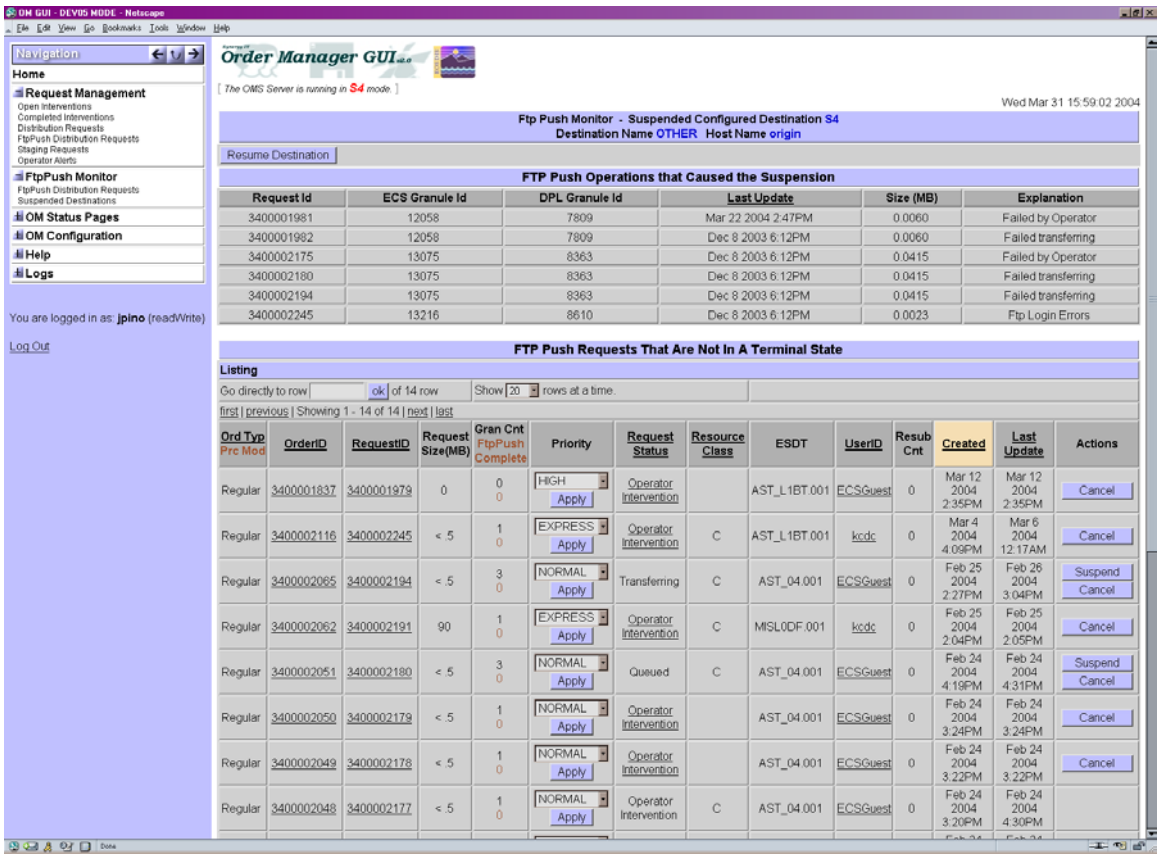



***Figure 4.11.15-18. FTP Push Distribution Destinations Detail Page***

### 4.11.15.2.7 OM Queue Status Page

**Note:** Limited Capability operators cannot change queue states. No actions can be taken on this page.

This comes under the "OM Status Pages" subsection of the navigation menu. The operator may click on this to expand the menu, revealing several links. Click on "OM Queue Status" to open the **OM Queue Status** page shown in Figure in 4.11.15-19.

This screen allows the operator to monitor the current settings of all media and electronic distribution queue states, the e-mail queue, staging. This page has been enhanced since the

Synergy III version in that it allows control over more queues and processing options than before.

The operator can also monitor whether the Order Manager Server is up or down and can infer whether the PDS and SDSRV are up or down by noting the "**S**" status (**SUSPENDED BY SERVER**) in the screen (e.g., if the Order Manager FTP Push and FTP Pull queues are suspended by the Order Manager server, it is likely that the SDSRV is down). Other states are "**A**" (**Active**) and "**O**" (**Suspended by Operator**). The operator can suspend or resume the queue by selecting the **Suspend** or **Resume** option from the drop down list and then clicking on the **Apply** button. The page is refreshed every 5 minutes by default. The operator can change the refresh rate by selecting from the pull down list. The operator can also choose to suspend refresh by clicking on the **Suspend refresh** radio button. Table 4.11.15-11 provides a description of the OM GUI Queue Status fields.

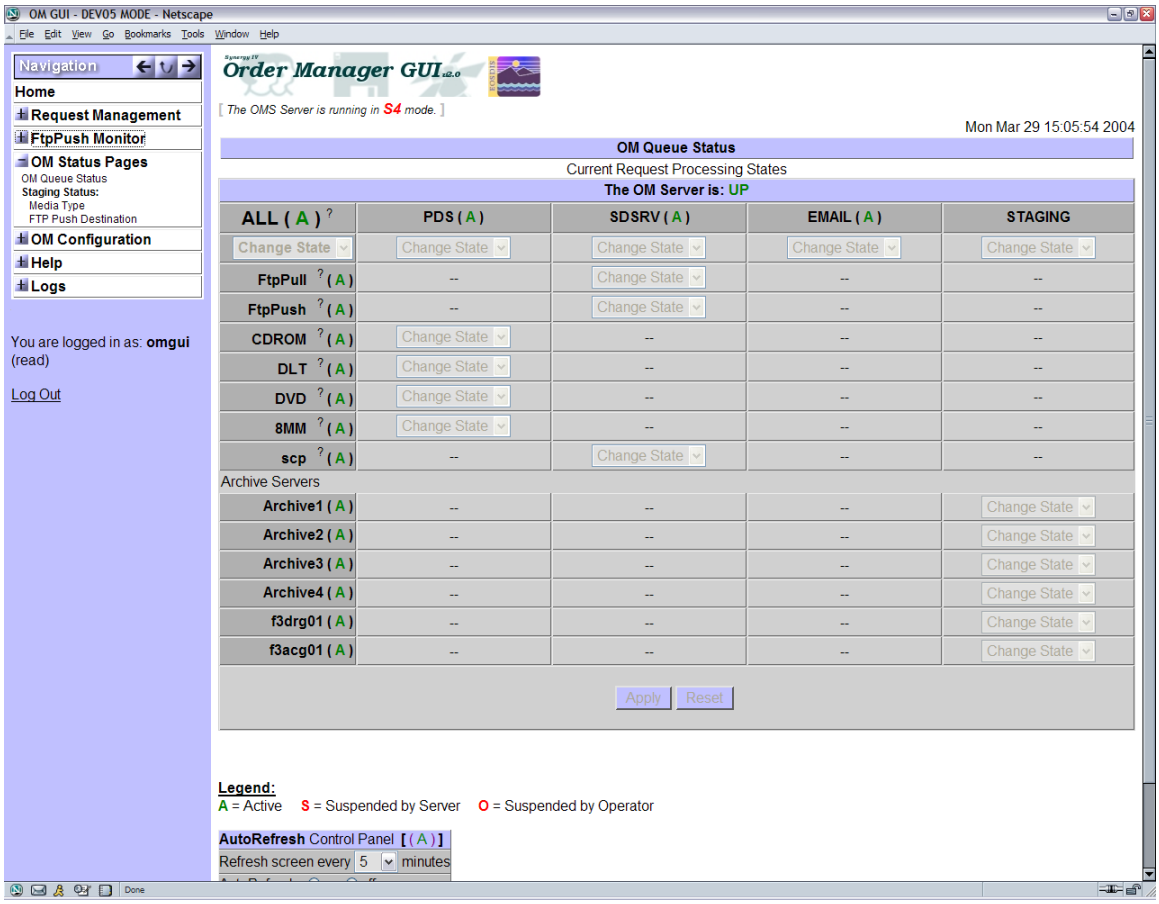



***Figure 4.11.15-19. OM Queue Status Page***

**Note:** This screen shows the drop-down lists are disabled for limited-capability operators.

*Table 4.11.15-11. OM GUI Queue Status Field Descriptions*

| Field Name | Description |
|---|---|
| ALL QUEUES | Changes all of the top-level Queues and Staging Status to Suspend All or Activate All |
| PDS | Changes all of the media queues for PDS to Suspend or Activate |
| SDSRV | Changes all of the media queues for SDSRV to Suspend or Activate |
| E-mail | Suspends/Activates the EMAIL queue. |
| Staging | Suspends/Activates the General Staging. Does not change the Staging state selections for each of the Archive Servers. |
| Ftp Pull | Suspend/Activate FTP Pull queue |
| Ftp Push | Suspend/Activate FTP Push queue |
| CD-ROM | Suspend/Activate CD-ROM queue |
| DLT | Suspend/Activate DLT queue |
| DVD | Suspend/Activate DVD queue |
| 8mm | Suspend/Activate 8mm queue |
| scp | Suspend/Activate scp queue |
| Archive Servers | For each Archive Server, allows the operator to Suspend/Activate the Staging Status for each Server. |

### 4.11.15.2.8 Staging Status Pages

The Staging Status pages show a summary of the volume and number of granules that are currently in Staging. The Staging information is broken down into four categories:

- Granules waiting for Staging
- Granules in Staging
- Granules that have been Staged but not yet shipped
- Granules that have been staged and shipped

The Staging Status information is categorized by media type – one page for FtpPush, and another for all other media types (physical media and FtpPull).

**Staging Status by Media Type**

Click on "Media Type" under the **Staging Status Pages** subsection of **OM Status Pages**. This will show a detailed summary of number and volume of granules in their various Staging states, as shown in Figure 4.11.15-20. Next to each media type is also the target low and high Watermarks, see Table 4.11.15-12 for more details on Watermarks. These Watermarks are configurable by full-capability operators in the Media Configuration page.

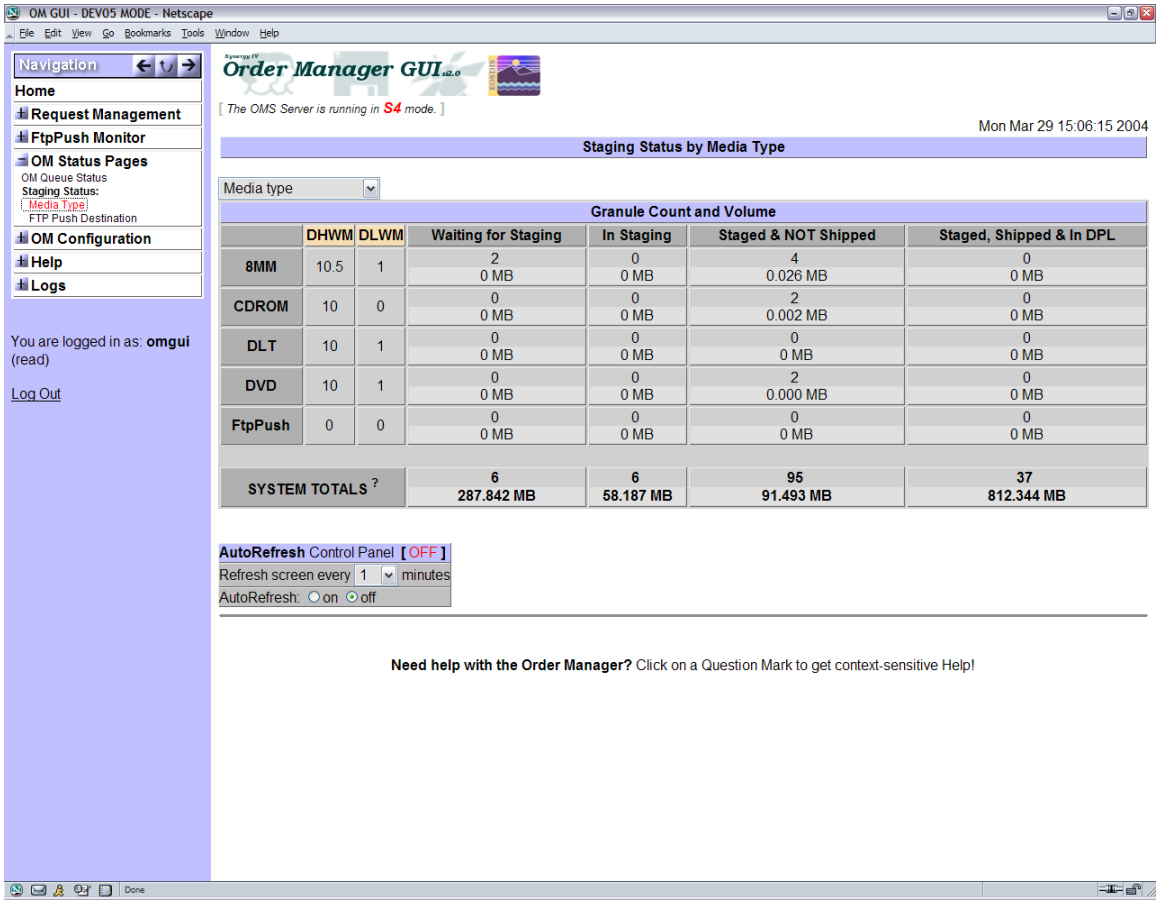



***Figure 4.11.15-20. Staging Status by Media Type***

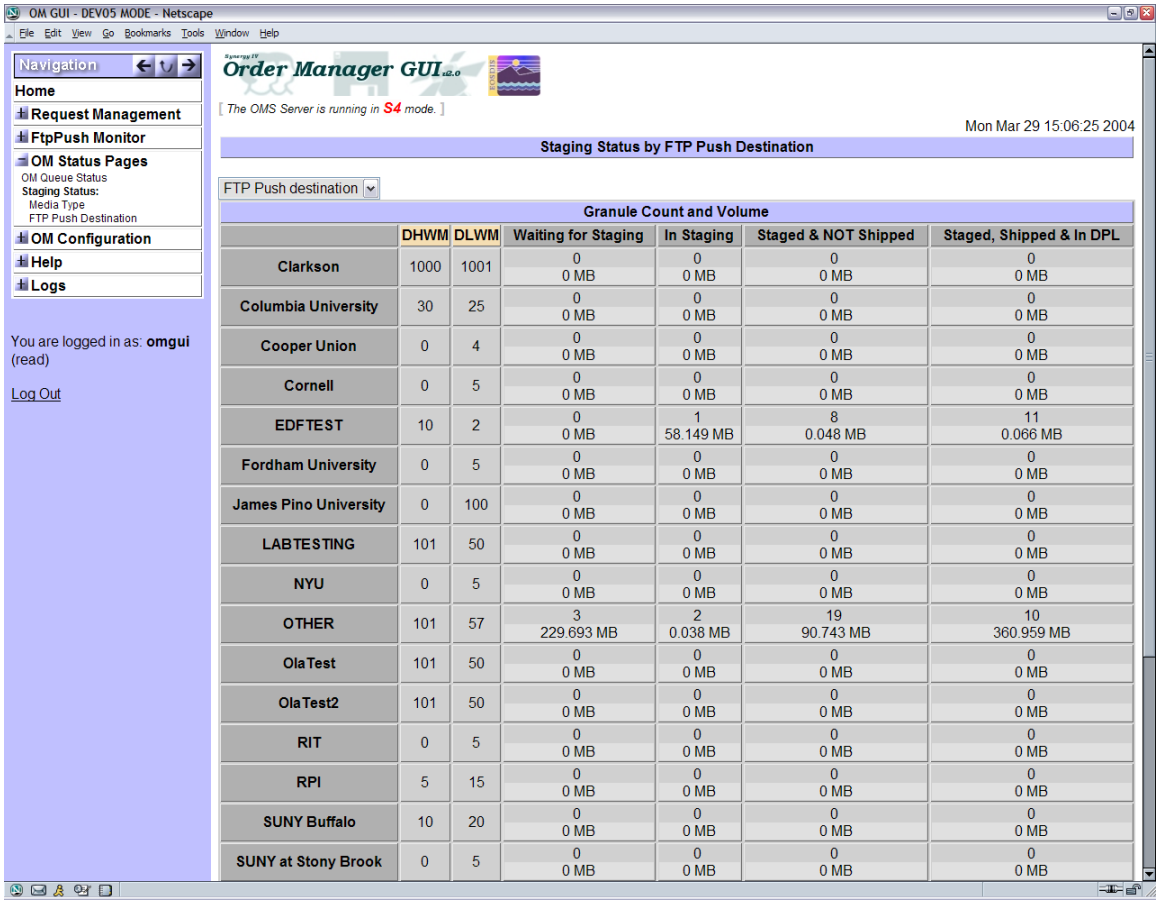
***Table 4.11.15-12. Watermark Descriptions***

| Watermark | Meaning | Description |
|---|---|---|
| DHWM | Data High Watermark | The maximum volume of data in staging or already staged but not yet shipped. If the data volume and number of requests is above the DHWM, it is assumed the media devices have plenty of work to keep them busy.<br>Generally, it is ideal to try to keep the amount of work that is in staging or staged just below the high water mark of each output queue. This achieves a good balance among FTP output connections (or in the case of physical media, their various output devices).<br>The Data High watermarks can be exceeded in the interest of optimizing the use of the archive drives or to get high priority work through distribution quickly. For example, an idle archive would be dispatched even if this means the DHWM would be exceeded. |
| DLWM | Data Low Watermark | The minimum volume of data that should be in staging or already staged but not yet shipped. If the data volume is below the DLWM, the media devices may soon become idle.<br>This is mainly used for dispatching high priority work. Since it is a good idea to try to keep the queues at their high water marks, the output queues generally might be fairly full. As a result, a high priority request might have to wait until some of data gets worked off and the queue falls below that high watermark. But high priority requests should go through at a fast pace. |

**Staging Status by FTP Push Destination**

Click on "Ftp Push Destination" under Staging Status Pages in the OM Status Pages menu. This page will display a list of the currently configured FTP Push destination names, along with the IP address and destination directory (see Figure 4.11.15-21). Each of these destinations has individual RHWM, DWHM, and DLWM settings, as well their own Staging Status numbers. This screen shows the number and volume (in MB) of granules that are:

- Waiting for Staging
- In Staging
- Already Staged but not yet shipped
- Staged and "shipped" (i.e., pushed)




| | DHWM | DLWM | Waiting for Staging | In Staging | Staged & NOT Shipped | Staged, Shipped & In DPL |
|---|---|---|---|---|---|---|
| Clarkson | 1000 | 1001 | 0<br>0 MB | 0<br>0 MB | 0<br>0 MB | 0<br>0 MB |
| Columbia University | 30 | 25 | 0<br>0 MB | 0<br>0 MB | 0<br>0 MB | 0<br>0 MB |
| Cooper Union | 0 | 4 | 0<br>0 MB | 0<br>0 MB | 0<br>0 MB | 0<br>0 MB |
| Cornell | 0 | 5 | 0<br>0 MB | 0<br>0 MB | 0<br>0 MB | 0<br>0 MB |
| EDFTEST | 10 | 2 | 0<br>0 MB | 1<br>58.149 MB | 8<br>0.048 MB | 11<br>0.066 MB |
| Fordham University | 0 | 5 | 0<br>0 MB | 0<br>0 MB | 0<br>0 MB | 0<br>0 MB |
| James Pino University | 0 | 100 | 0<br>0 MB | 0<br>0 MB | 0<br>0 MB | 0<br>0 MB |
| LABTESTING | 101 | 50 | 0<br>0 MB | 0<br>0 MB | 0<br>0 MB | 0<br>0 MB |
| NYU | 0 | 5 | 0<br>0 MB | 0<br>0 MB | 0<br>0 MB | 0<br>0 MB |
| OTHER | 101 | 57 | 3<br>229.693 MB | 2<br>0.038 MB | 19<br>90.743 MB | 10<br>360.959 MB |
| OlaTest | 101 | 50 | 0<br>0 MB | 0<br>0 MB | 0<br>0 MB | 0<br>0 MB |
| OlaTest2 | 101 | 50 | 0<br>0 MB | 0<br>0 MB | 0<br>0 MB | 0<br>0 MB |
| RIT | 0 | 5 | 0<br>0 MB | 0<br>0 MB | 0<br>0 MB | 0<br>0 MB |
| RPI | 5 | 15 | 0<br>0 MB | 0<br>0 MB | 0<br>0 MB | 0<br>0 MB |
| SUNY Buffalo | 10 | 20 | 0<br>0 MB | 0<br>0 MB | 0<br>0 MB | 0<br>0 MB |
| SUNY at Stony Brook | 0 | 5 | 0<br>0 MB | 0<br>0 MB | 0<br>0 MB | 0<br>0 MB |

***Figure 4.11.15-21. Destination Listing For Staging Status***

### 4.11.15.2.9 OM Configuration Pages

**Note:** For all types of configuration pages, Limited Capability operators can only view configuration parameters. The ability to update parameters will be disabled.

This section contains many enhancements and additions to the Synergy III version. Under the **OM Configuration** menu are several configuration pages that allow full-capability operators to configure the Order Manager Server or Database, as well as make fine-tuning adjustments to optimize performance.

#### Aging Parameters

To access this page, click "Aging Parameters" under the **OM Configuration** menu. This page displays parameters that affect how Distribution Requests are aged over time (see Figure 4.11.15.22). The aging parameters are configurable for each ECS Priority Level (XPRESS, VHIGH, HIGH, NORMAL, and LOW). Below is a description of each parameter.

Age Step: The aging rate by which the effective priority of a request increases for every hour it has been waiting. The range is 0-100, including decimal fractions. If this parameter is set to 0, waiting requests will never increase in priority.

For example, if the Age Step is set to 5.5 and a request with an initial priority of 100 waits 10 hours to be pushed, then the request will increase in priority by a factor of 5.5 every hour until it has been delivered:

Hour 0: priority = 100

Hour 1: priority = 105.5

Hour 2: priority = 111

.

.

Hour 10: priority = 155

Maximum Priority The maximum priority a request can attain through this aging process. For example, if Maximum Priority were set to 130, then in the example above, once the request had reached a priority of 130, it would not go any higher (i.e., at Hour 10 it would still be 130).

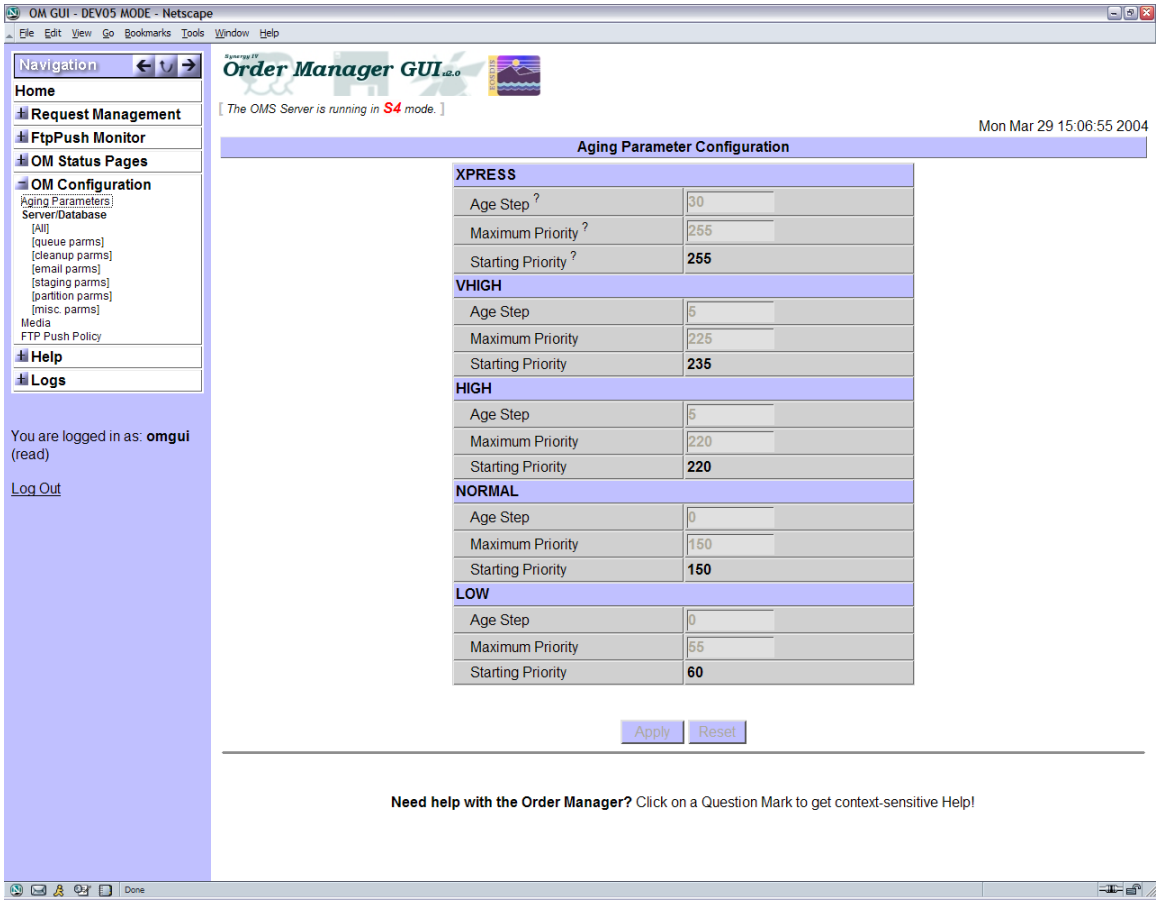



***Figure 4.11.15-22. Aging Parameter Configuration***

### Server/Database Configuration

These are values that affect how the OM Server and Database run (see Figure 4.11.15-23 and Figure 4.11.15-24). The page displays the current value of the configuration parameters and provides a text input box to change them. To the far right is a description of each parameter.

These parameters are dynamically loaded into the page, meaning that the parameters displayed are those that the operator can modify. If a configuration parameter is added in the Database, it will also be displayed on the screen. See Table 4.11.15-13 for a description of these parameters.

### Drop-Down Lists

Some parameters are not editable text fields, but drop-down lists containing the possible values for that field. This is to protect the OMS Server from acting in an undesirable way as a result of using an unexpected value. For example Global Staging Status is one such field – it *must* be "S" or "A" for the OMS Server to function properly.

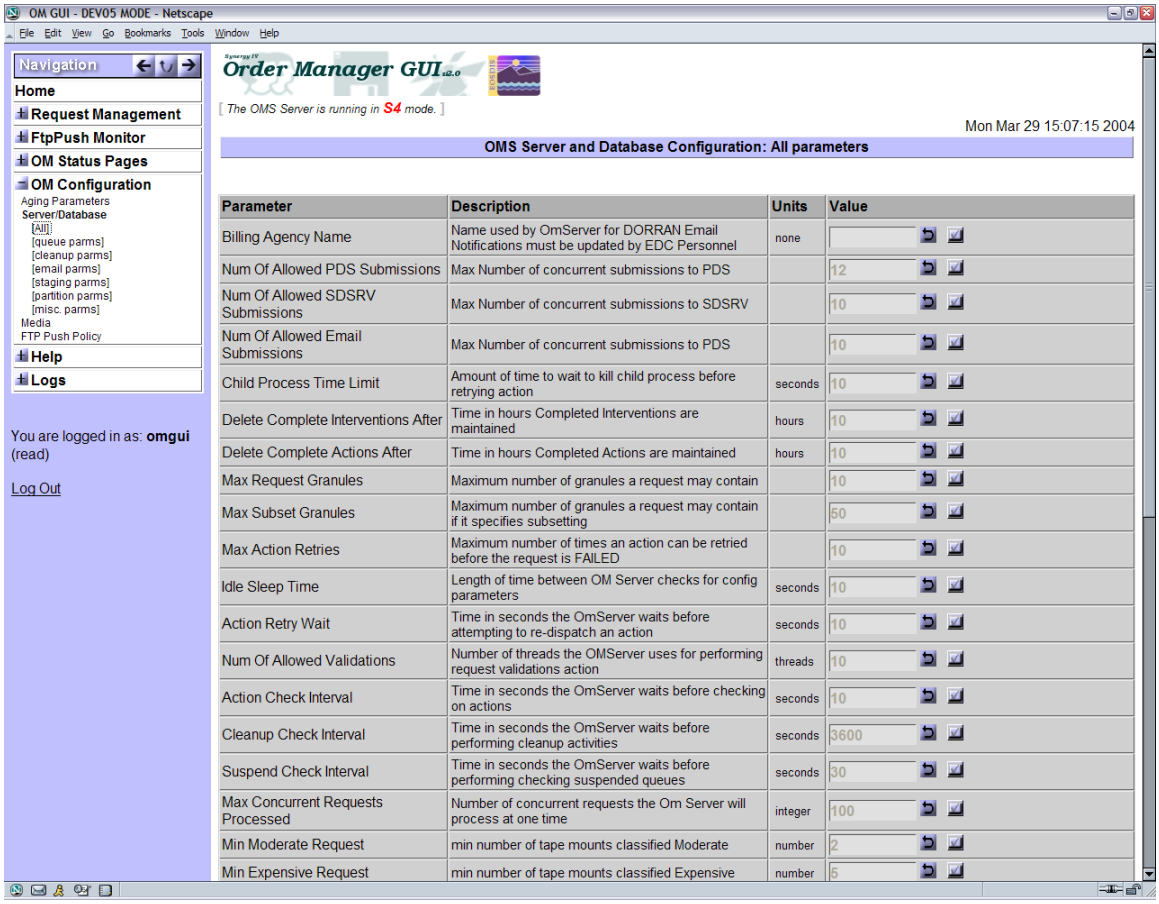



***Figure 4.11.15-23. Server/Database Configuration – Part 1***

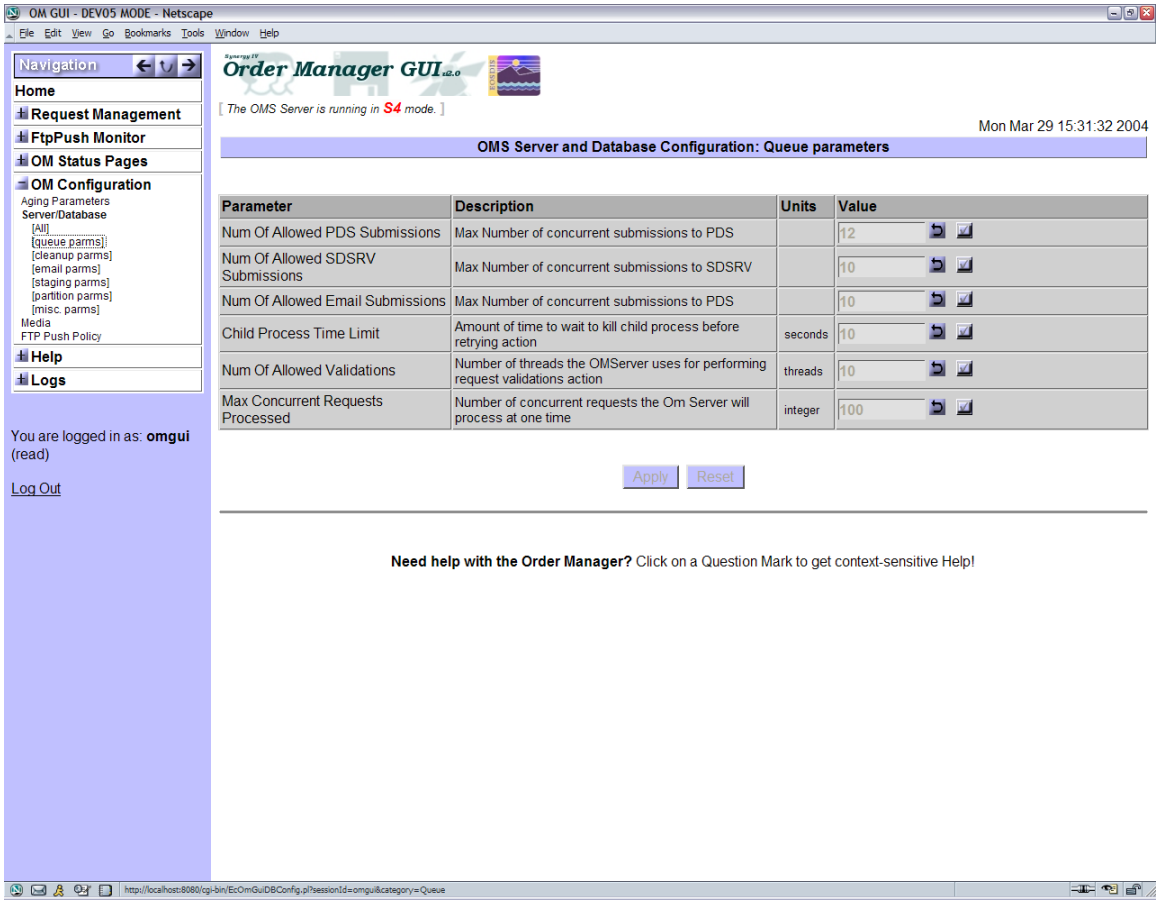



***Figure 4.11.15-24. Server/Database Configuration – Part 2***

## Media Configuration

To access this page, click on "Media" under the **OM Configuration** menu. These configuration parameters are specific to each media type, and are dynamically loaded just as the Server/Database Configuration parameters. The page displays the current value of the parameter and provides a text box input to change it. Figure 4.11.15-23 shows an example of some the Media Configuration Parameters. See Table 4.11.15-13 for a description of these parameters.

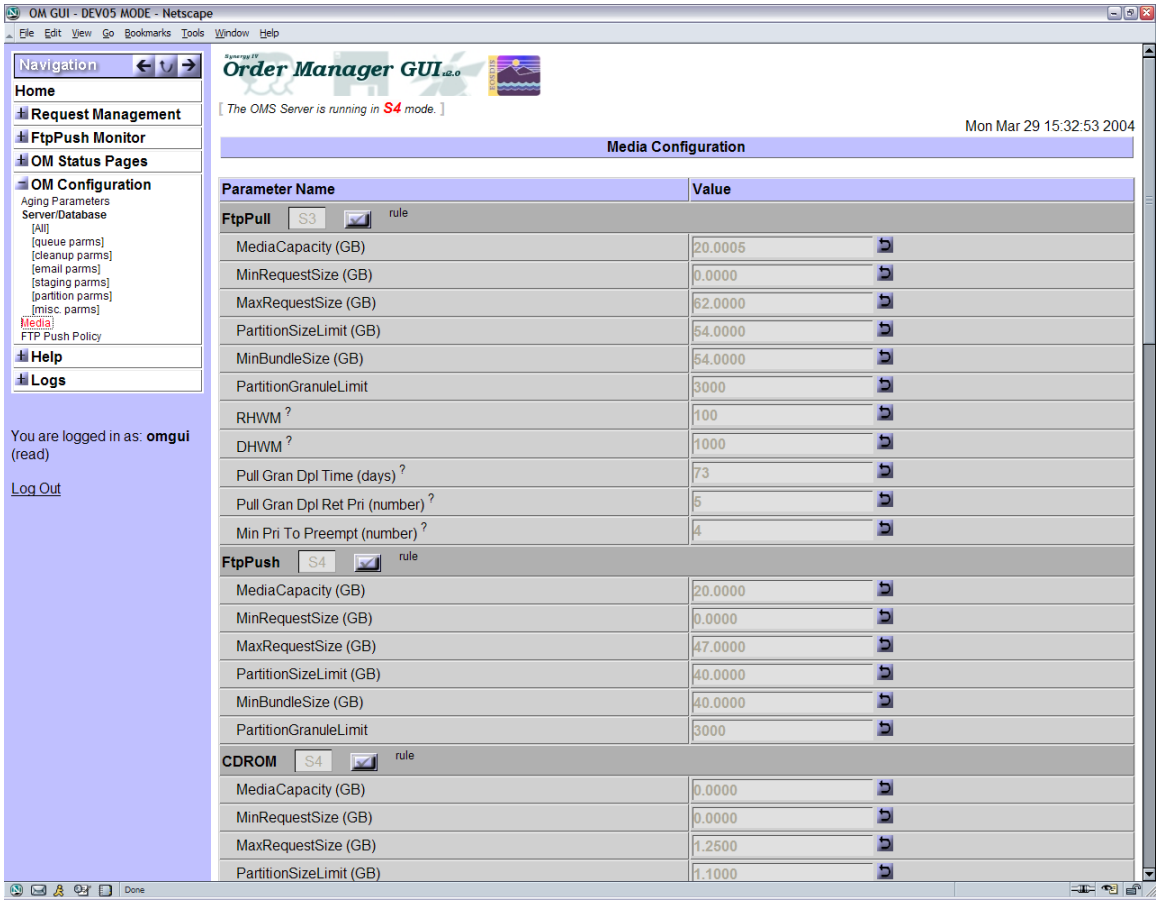



***Figure 4.11.15-25. Media Configuration – Part 1***

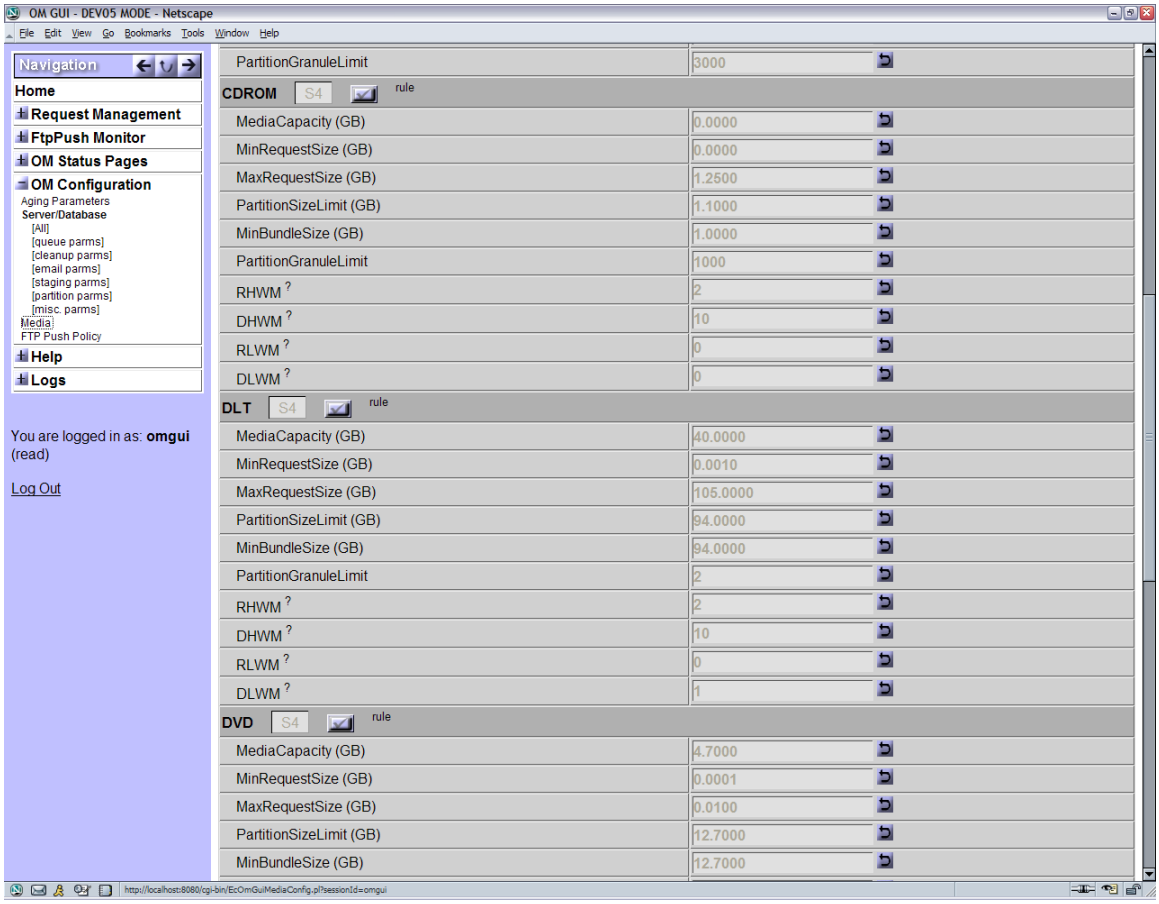



***Figure 4.11.15-26. Media Configuration – Part 2***

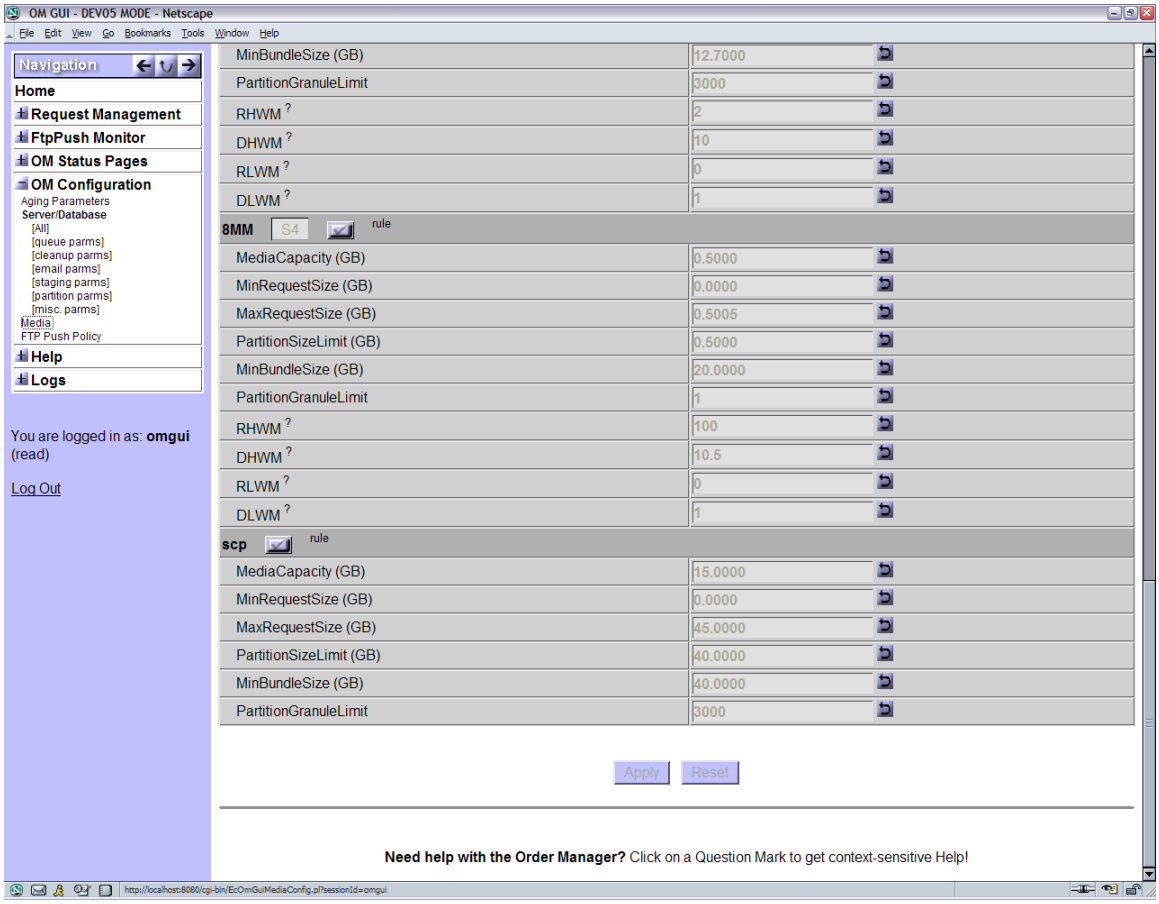



***Figure 4.11.15-27. Media Configuration – Part 3***

***Table 4.11.15-13. OM GUI Configuration Parameters Descriptions (1 of 3)***

| Field Name | Data Type | Size | Entry | Description |
|---|---|---|---|---|
| 8mm Media Capacity (MB) | Int | 10 | Optional | 8mm Media Capacity(MB) |
| 8mm Maximum Request Size (MB) | Int | 10 | Optional | 8mm maximum request size(MB) |
| 8mm Minimum Bundle Size (MB) | Int | 10 | Optional | 8mm minimum bundle size(MB) |
| 8mm Granule Partition Limit (MB) | Int | 10 | Optional | 8mm Granule Partition Limit(MB) |
| CD-ROM Media Capacity (MB) | Int | 10 | Optional | CD-ROM Media Capacity(MB) |
| CD-ROM Maximum Request Size (MB) | Int | 10 | Optional | CD-ROM maximum request size(MB) |
| CD-ROM Minimum Bundle Size (MB) | Int | 10 | Optional | CD-ROM minimum bundle size(MB) |
| CD-ROM Granule Partition Limit (MB) | Int | 10 | Optional | CD-ROM Granule Partition Limit(MB) |

*Table 4.11.15-13. OM GUI Configuration Parameters Descriptions (2 of 3)*

| Field Name | Data Type | Size | Entry | Description |
|---|---|---|---|---|
| DVD Media Capacity (MB) | Int | 10 | Optional | DVD Media Capacity(MB) |
| DVD Maximum Request Size (MB) | Int | 10 | Optional | DVD maximum request size(MB) |
| DVD Minimum Bundle Size (MB) | Int | 10 | Optional | DVD minimum bundle size(MB) |
| DVD Granule Partition Limit (MB) | Int | 10 | Optional | DVD Granule Partition Limit(MB) |
| DLT Media Capacity (MB) | Int | 10 | Optional | DLT Media Capacity(MB) |
| DLT Maximum Request Size (MB) | Int | 10 | Optional | DLT maximum request size(MB) |
| DLT Minimum Bundle Size (MB) | Int | 10 | Optional | DLT minimum bundle size(MB) |
| DLT Granule Partition Limit (MB) | Int | 10 | Optional | DLT Granule Partition Limit(MB) |
| Ftp Push Media Capacity (MB) | Int | 10 | Optional | Ftp Push Media Capacity(MB) |
| Ftp Push Maximum Request Size (MB) | Int | 10 | Optional | Ftp Push maximum request size(MB) |
| Ftp Push Minimum Bundle Size (MB) | Int | 10 | Optional | Ftp Push minimum bundle size(MB) |
| Ftp Push Granule Partition Limit (MB) | Int | 10 | Optional | Ftp Push Granule Partition Limit(MB) |
| Ftp Pull Media Capacity (MB) | Int | 10 | Optional | Ftp Pull Media Capacity(MB) |
| Ftp Pull Maximum Request Size (MB) | Int | 10 | Optional | Ftp Pull maximum request size(MB) |
| Ftp Pull Minimum Bundle Size (MB) | Int | 10 | Optional | Ftp Pull minimum bundle size(MB) |
| Ftp Pull Granule Partition Limit (MB) | Int | 10 | Optional | Ftp Pull Granule Partition Limit(MB) |
| Action Queue Cleanup Interval (Hours) | Int | 10 | Optional | Time in hours in which the OmServer cleans up completed actions |
| Action Retry Wait (Seconds) | Int | 10 | Optional | Time in seconds the OmServer waits before attempting to re-dispatch an action |
| Bundling Order Expiration Period (Hours) | Int | 10 | Optional | Default expiration period in hours for bundling orders. |
| Max Child Process Time (Seconds) | Int | 10 | Optional | Time in seconds to wait to kill child process before retrying an action |
| Partition Delay Time (Seconds) | Int | 10 | Optional | Time delay in seconds for dispatching each successive partition |
| Intervention Display Time (Minutes) | Int | 10 | Optional | Time in minutes completed interventions are maintained |
| Max OM Server Idle Time (Seconds) | Int | 10 | Optional | Time in seconds OmServer is allowed to sleep when there are no active processes |
| Intervention Cleanup Interval (Days) | Int | 10 | Optional | Interval in days OmServer will clean up completed interventions |
| Max Action Retries | Int | 10 | Optional | Maximum retries for a request before it is failed |
| Max Bundle Age (Days) | Int | 10 | Optional | Default maximum bundle age in days or fraction of days |

*Table 4.11.15-13. OM GUI Configuration Parameters Descriptions (3 of 3)*

| Field Name | Data Type | Size | Entry | Description |
|---|---|---|---|---|
| Max Granules Per Request | Int | 10 | Optional | Maximum number of granules a request may contain |
| Max Granules Per Subsetted Request | Int | 10 | Optional | Maximum number of granules a request may contain if subsetting is specified |
| Min Granules Per Bundle | Int | 10 | Optional | Default minimum bundle granule count |
| Max E-Mail Submissions | Int | 10 | Optional | Maximum e-mail submissions |
| Max Concurrent PDS Submissions | Int | 10 | Optional | Maximum concurrent submissions to PDS |
| Max Concurrent SDSRV Submissions | Int | 10 | Optional | Maximum concurrent submissions to SDSRV |

**FTP Push Policy Configuration**

See Section 4.11.15.2.10

## 4.11.15.2.10 FTP Push Policy Configuration

**Note:** Limited Capability operators are limited to viewing FTP Push Policy configuration only. They cannot edit, add, or delete destinations.

This page can be accessed by clicking "FTP Push Policy" under the **OM Configuration** menu. This page allows the full-capability operators to define and configure the fine-tuning parameters of an FTP Push destination.

**Frequently Used vs. Non-configured Destinations**

All FTP Push destinations belong to either the Frequently Used group, or the general ("unconfigured") group. All FTP Push destinations not specifically defined as a Frequently Used destination are configured on the front page (see Figure 4.11.15-28) under "Settings for Non-Configured Destinations". These settings also serve as default values for new destinations.

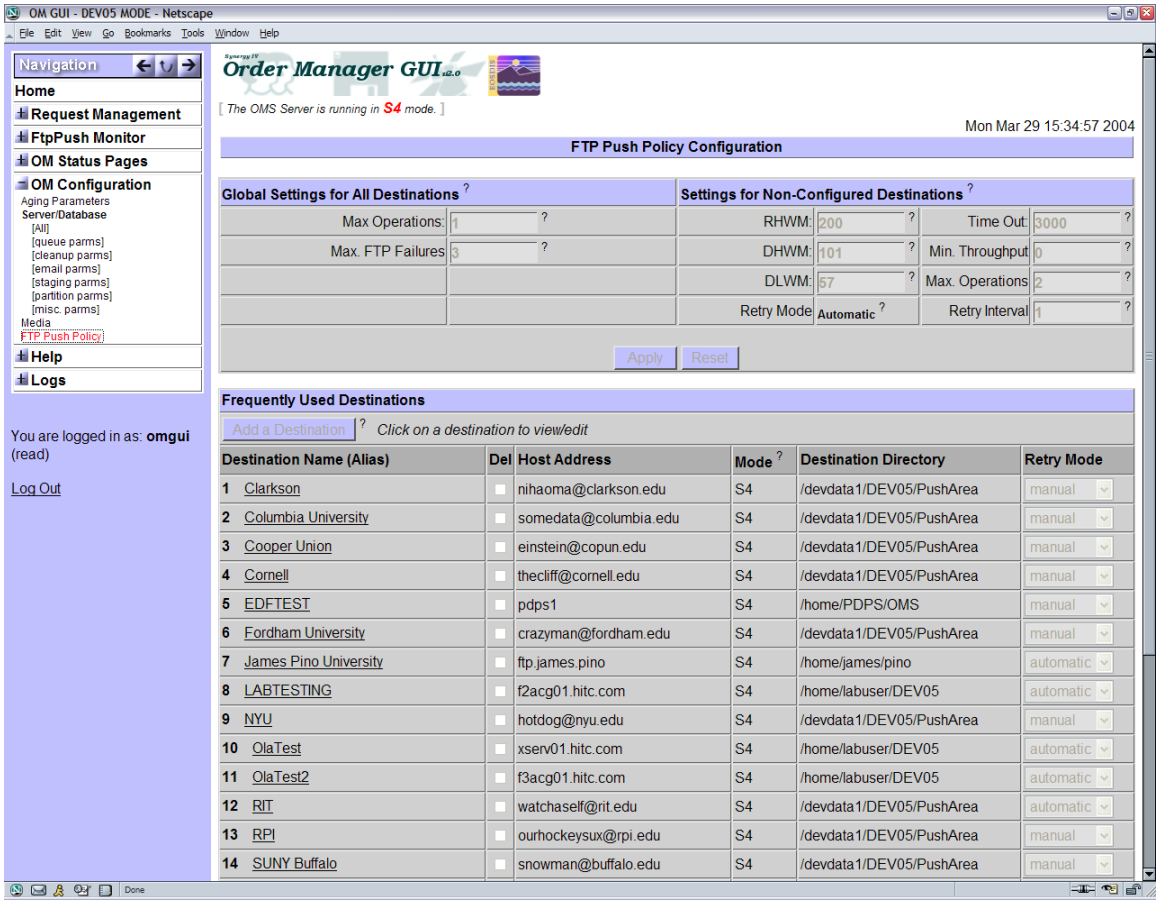



***Figure 4.11.15-28. FtpPush Policy Configuration (Main Page)***

**Note:** This screen shows how buttons, text boxes, and drop-down lists are disabled for limited-capability operators.

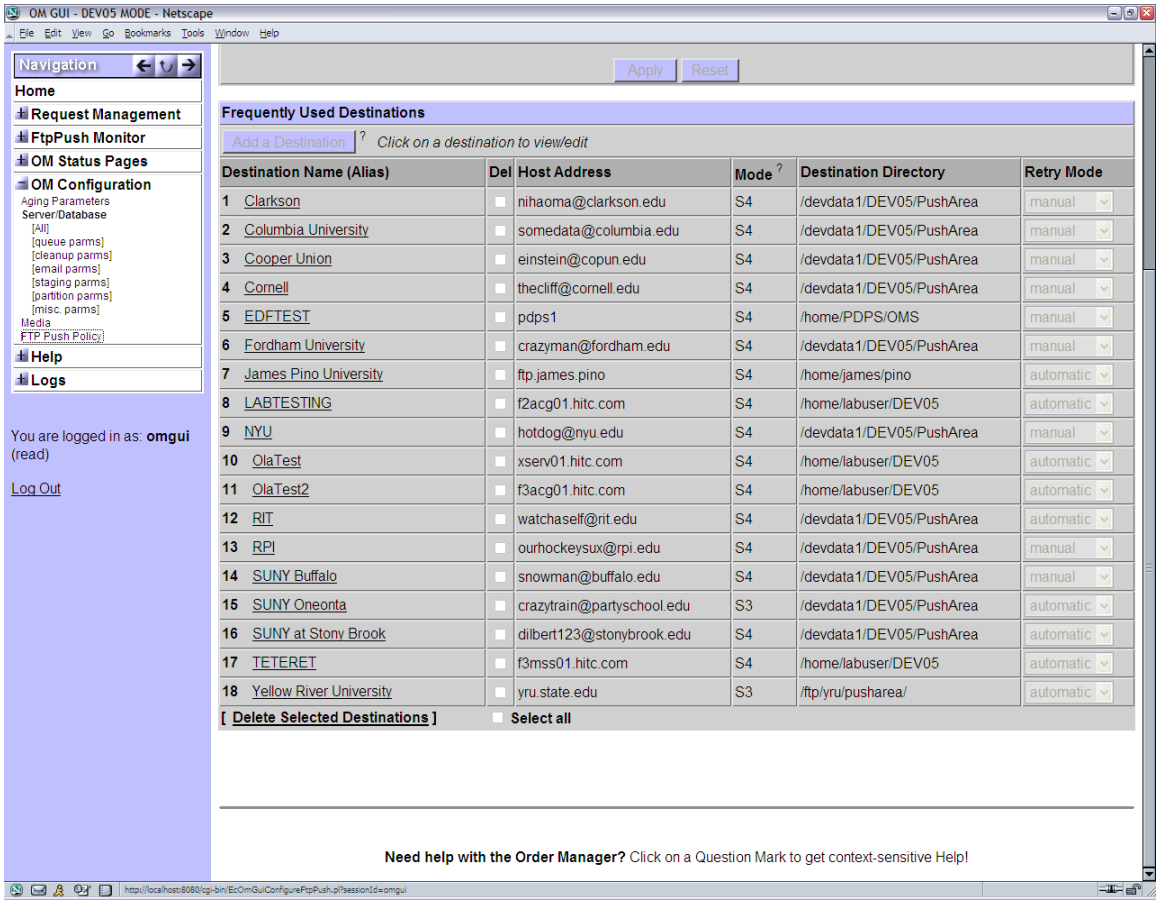



***Figure 4.11.15-29. FtpPush Policy Configuration (Main Page, Part 2)***

### Global Settings for All Destinations

These are parameters that apply to all destinations regardless of their individual settings. They apply to both Frequently Used and Unconfigured destinations.

### Adding a Destination

Click on the "Add a Destination" button under the Frequently Used Destinations section of the main page. This will open up a page, shown in Figure 4.11.15-30, which will allow the operator to define and configure a destination. A destination must already exist (i.e., it must be a destination that is currently in use by one or more Orders).

The definition of a destination is:

a) Alias: A descriptive name or handle by which the destination can be easily identified. Aliases must be unique.

b) Target Directory: The directory on the remote host to which files will be pushed.

c) Host Address: The remote machine name or IP address.

The combination of these attributes constitutes a Frequently Used Destination. All destinations *must* have exclusive attributes and an exclusive Alias.

The configuration parameters for the destination are already preloaded with default values from the non-configured destinations. The configuration parameters are described in Table 4.11.15-14.

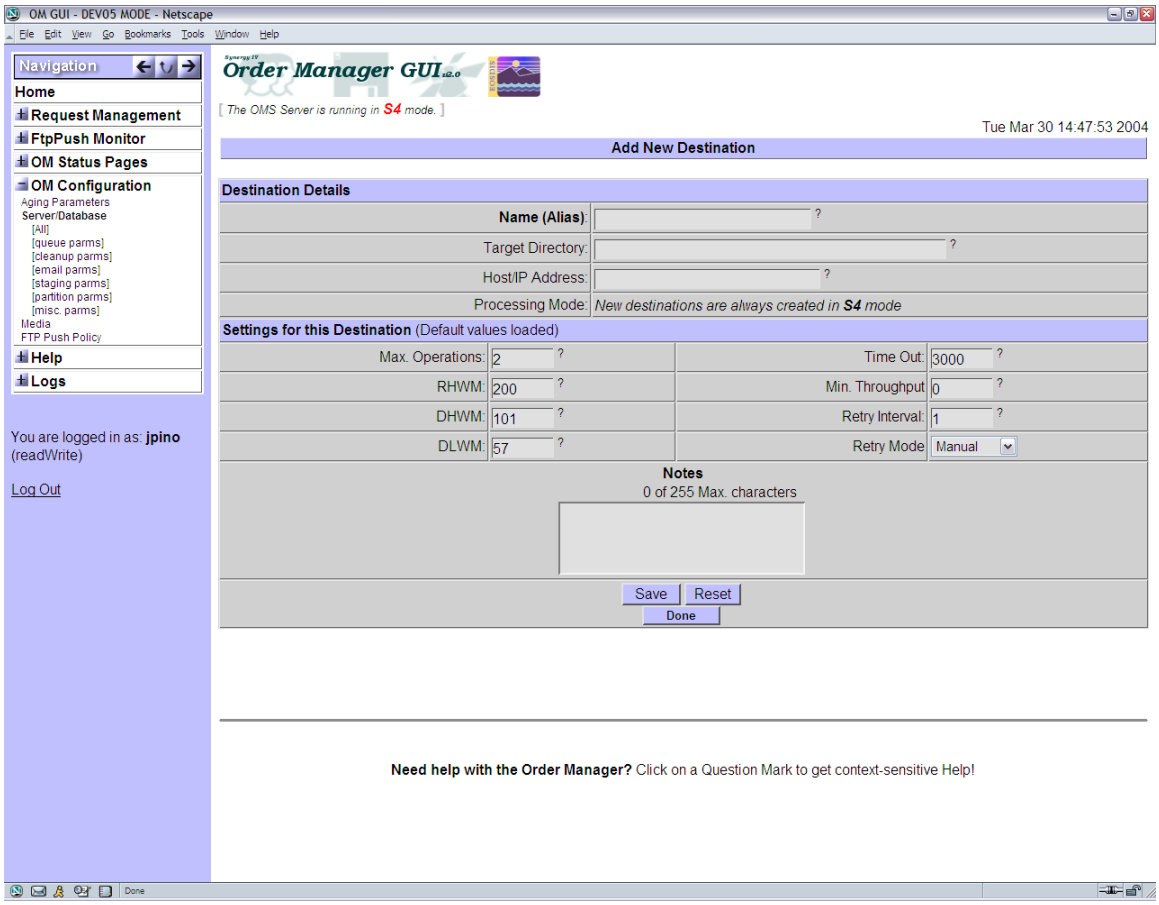



***Figure 4.11.15-30. FtpPush Policy Configuration : Add Frequently Used FtpPush Destination***

### Configuring a Destination

To configure a defined Frequently Used Destination, click on the Destination Name on the main FTP Push Configuration Page. This will display the details of the configuration for that destination, as shown in Figure 4.11.15-30. From there, you can modify the destination attributes (User ID, Target Directory, Host Address) and the configuration parameters for that destination. Once you are finished, click “Save” at the bottom of the screen. Click “Done” to move back to

the main FTP Push Policy Configuration page. **Note:** The "Done" button will *not* save any changes made to the destination – always click "Save".

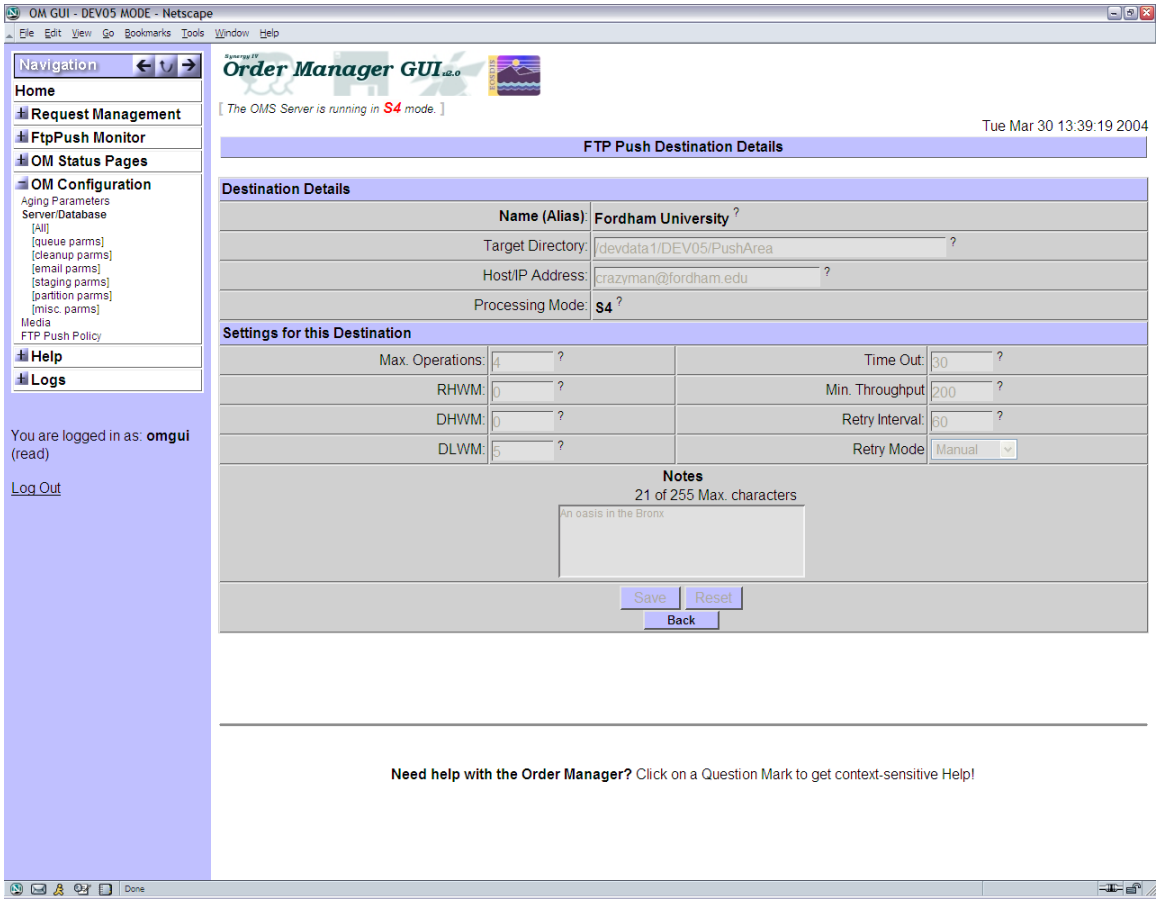



***Figure 4.11.15-31. FtpPush Policy Configuration: FtpPush Destination Detail***

### Removing a Destination

To remove a destination from the Frequently Used Destination group, go to the main FTP Push Policy configuration page (see Figure 4.11.15-28) and select the destination you wish to delete by checking the box next to the destination name in the Del column. Once you have selected the destinations you wish to remove, click on "Remove Selected Destinations" at the bottom of the screen. You will be prompted for confirmation.

Removing a destination does not actually delete the destination. Rather, it moves that destination to the non-configured group and erases its individual configuration parameters.

*Table 4.11.15-14. FTP Push Policy Configuration Parameters*

| Parameter | Scope | Data Type | Description |
|---|---|---|---|
| Max. Operations | Global | int | The maximum number of concurrent FTP Push Operations for *all* destinations added together. |
| Max. FTP Failures | Global | int | The maximum number of consecutive FTP transfer failures for any destination, which, when exceeded, causes the suspension of that destination. |
| RHWM | Destination | int | Request High Watermark: The desired maximum number of requests that may be in the Staging state, or that completed staging but is not in a terminal state (such as Shipped). |
| DHWM | Destination | float | Data High Watermark: The maximum volume of data in staging or already staged but not yet pushed. |
| DLWM | Destination | float | Data Low Watermark: The minimum volume of data in staging or already staged but not yet pushed. |
| Time Out | Destination | int | An extra time allotment that is applied to the expected throughput, such that:<br>expected throughput = min. throughput + timeout. |
| Min. Throughput | Destination | float | The minimum data throughput in MB/sec for a particular destination. |
| Max. Operations | Destination | int | The maximum number of concurrent FTP Push Operations for a particular destination (exclusive of but subject to the global Max. Operations). |
| Retry Interval | Destination | int | The waiting period, in minutes, before FTP Push operations for a suspended destination are automatically retried. |

**A Note on High and Low Watermarks**

Generally, it is ideal to try to keep the amount of work that is in staging or staged just below the high water mark of each output queue. This achieves a good balance among FTP output connections.

The Data and Request High watermarks can be exceeded in the interest of optimizing the use of the archive drives or to get high priority work through distribution quickly. For example, an idle archive would be dispatched even if this means the DHWM or RHWM would be exceeded.

### 4.11.15.2.11 ECS Order Page

**Note:** Limited Capability operators are limited to viewing the details of an ECS Order. They cannot change the priority of or take actions for Requests.

The operator can click on the **Order ID** link in the Distribution Requests list page (Figure 4.11.15-12) or the Distribution Request details page (Figure 4.11.15-15) to open the **ECS Order** detailed information page, as illustrated in Figure 4.11.15-32a. If the order is a bundling order, the operator can click the **Spatial Subscription Server** link to go to the Spatial Subscription Server Web page to view and update the Bundling Order as illustrated in Figure 4.11.15-32b. The operator can click a **Request ID** to go to **Distribution Request** details page for that request or click the User ID to go to the **User Profile** page (see Figure 4.11.15-33).

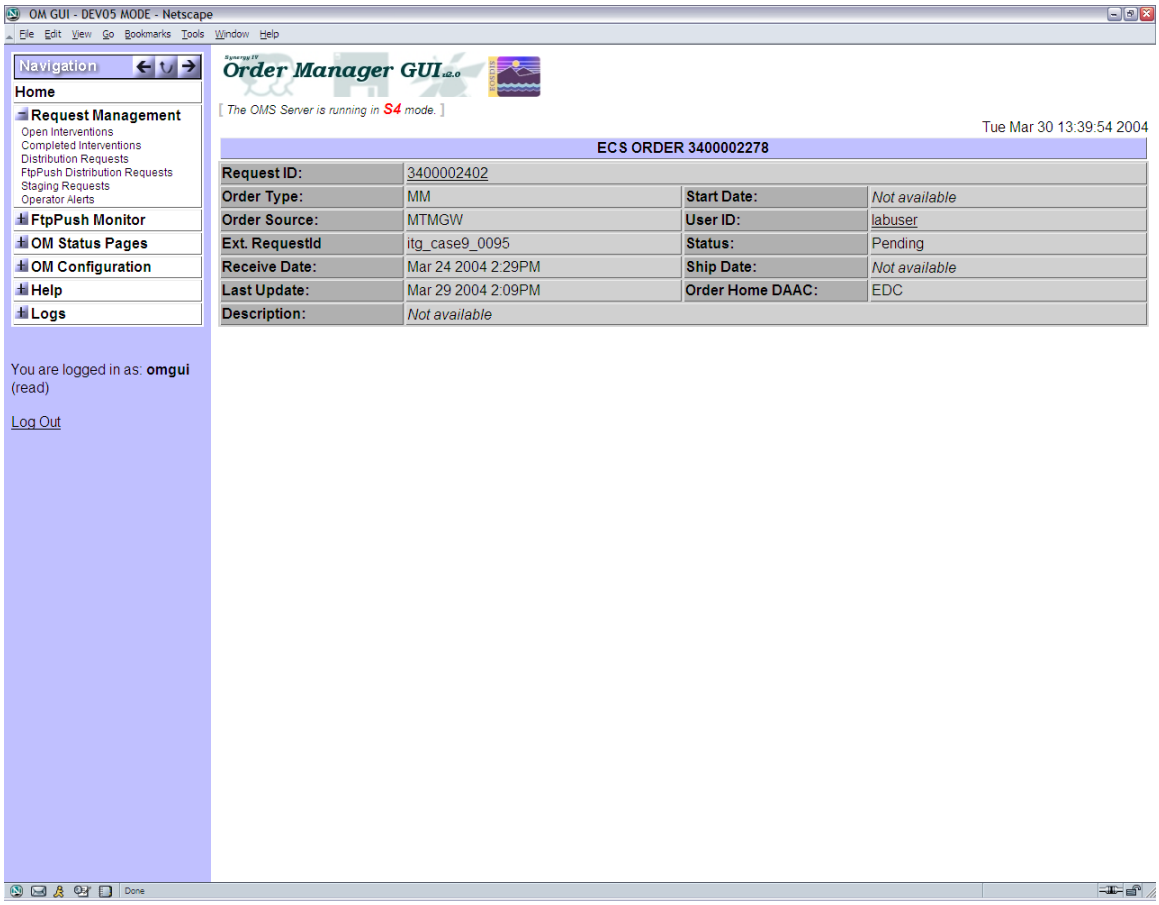



***Figure 4.11.15-32a. ECS Order Information Page***

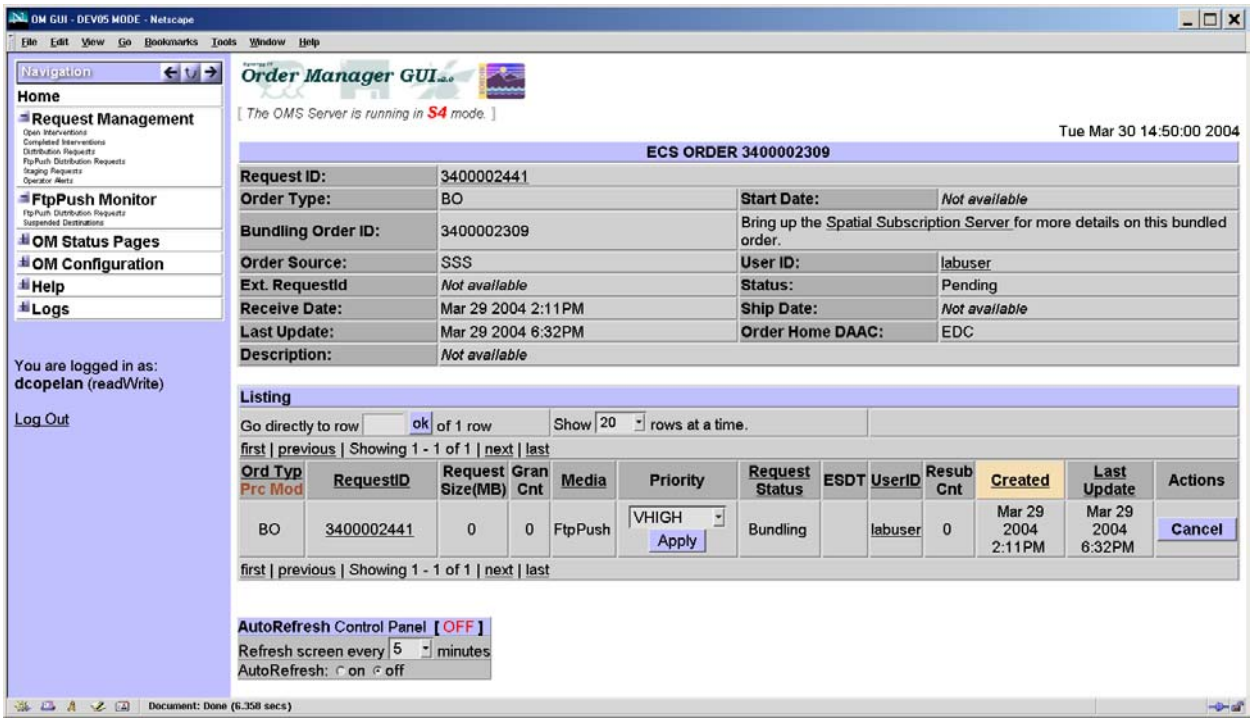



***Figure 4.11.15-32b. ECS Order Information Page for Bundling Order***

### 4.11.15.2.12 User Profile Page

The operator can click on the **User ID** link in the **Distribution Request** details page or the **ECS Order** details page to view the detailed information for a particular user in a **User Profile** page as shown in Figure 4.11.15-33. This page displays personal information, account information, various address information, and other data on the user.

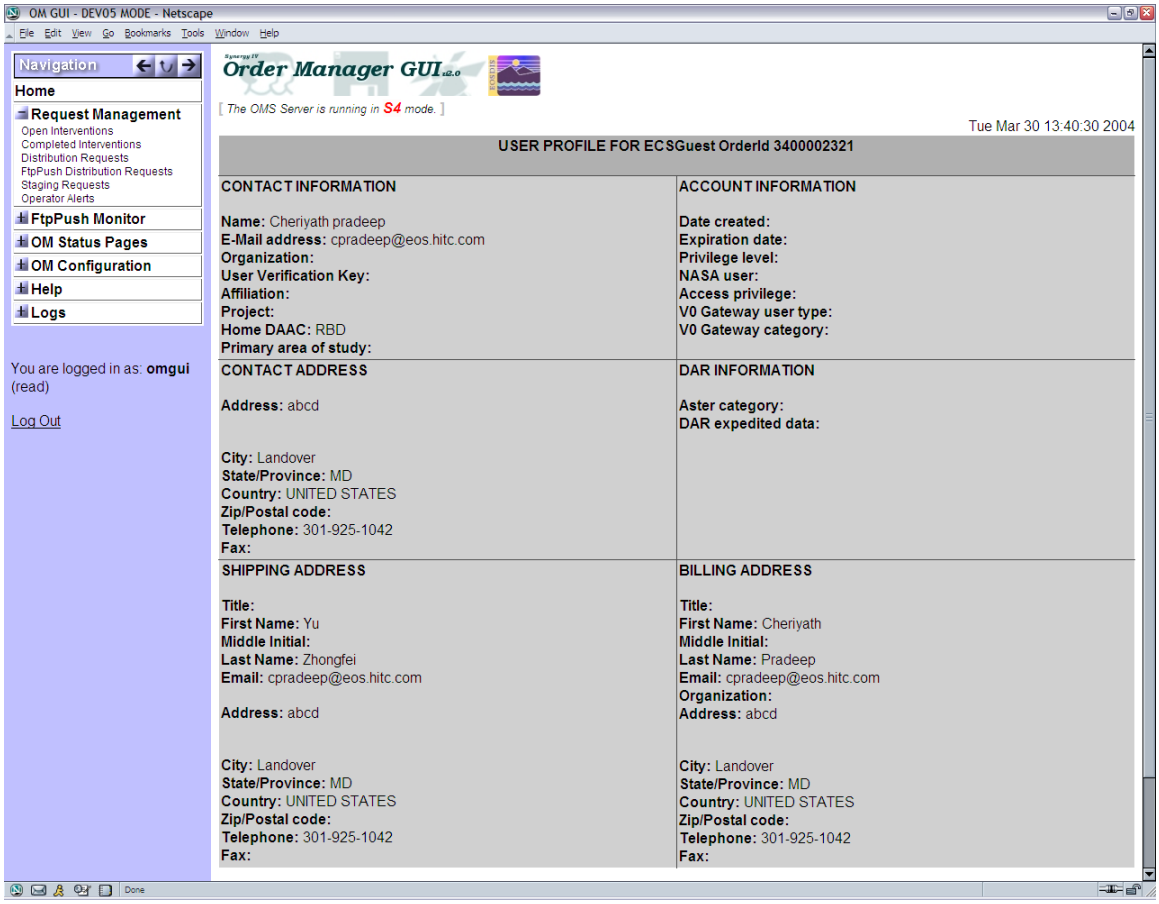



***Figure 4.11.15-33. User Profile Page***

### 4.11.15.2.13 Help Page

The operator can view the help information on a particular page by clicking on the **Need help with the Order Manager?** link at the bottom of the page which will display a small pop-up window for help on that page. The operator may also click on the **Help** tab at the top of the page. The help information is indexed and also contains links to help on related topics. The index to available topics includes:

- About The Order Manager GUI
- New Features in the Synergy IV Version
- Request Management
  - Open Interventions
    - Viewing Intervention Details
    - Working an Intervention

    - Operator Alerts
    - Completed Interventions
    - Distribution Requests
- FtpPush Monitor
    - FtpPush Distributions Requests
    - FtpPush Operations
    - FtpPush Destinations
    - Staging Requests
- OM Status Pages
    - OM Queue Status
    - Staging Operations
    - Staging Status by Media Type
    - Staging by FtpPush Destination
- OM Queue Status
- OM Configuration
    - Aging Parameters
    - Server/Database Configuration
    - Media Configuration
    - FtpPush Policy Configuration
    - Archive Resources
- OM Server Statistics
- OM Log Viewer

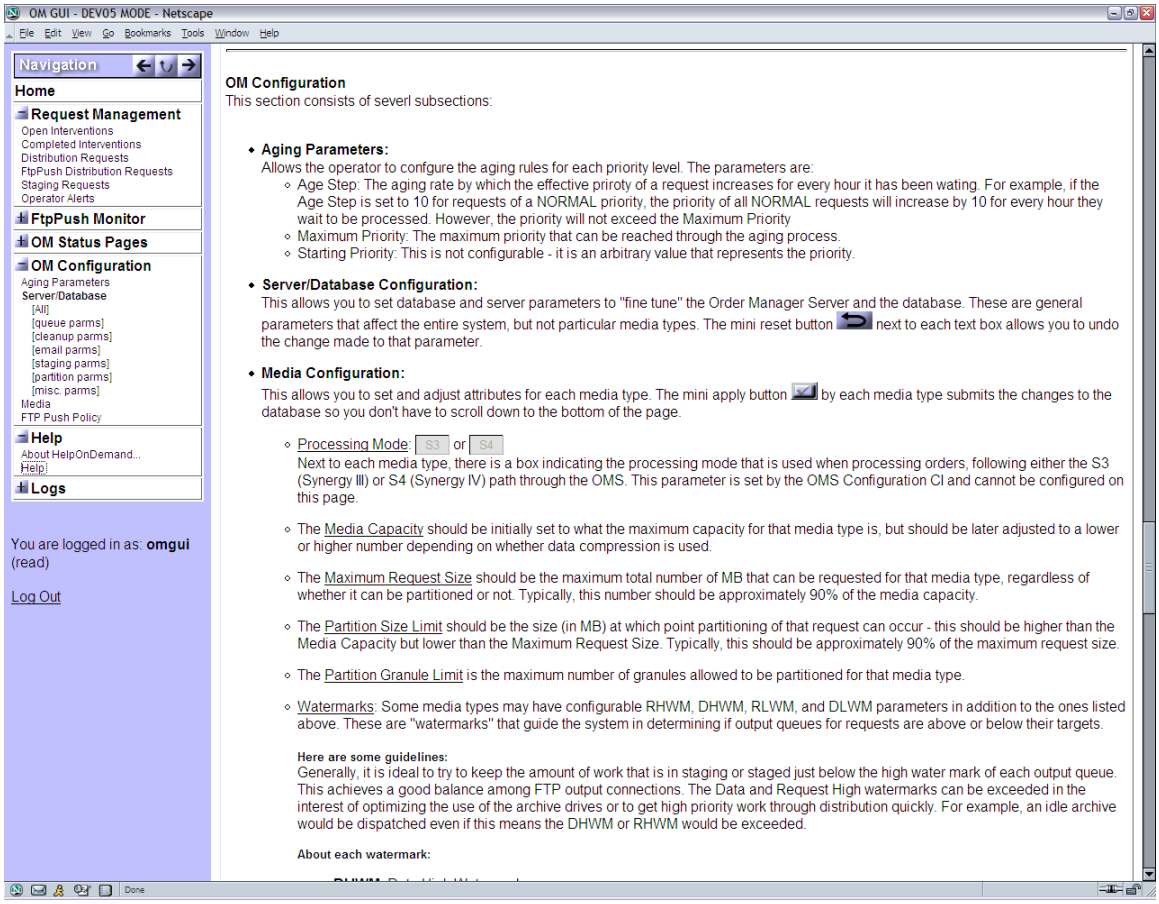



***Figure 4.11.15-34. Sample Help Page***

## HelpOnDemand

This is a feature that gives the operator context-sensitive help for each page, but more specifically for particular controls or parameters that may not be entirely self-descriptive. Anywhere there is little question mark next to a button or text field, click on it and a dialog box describing that item will appear. Figure 4.11.15-35 shows an example of HelpOnDemand for the Time Out parameter on the FtpPush Policy Configuration page.

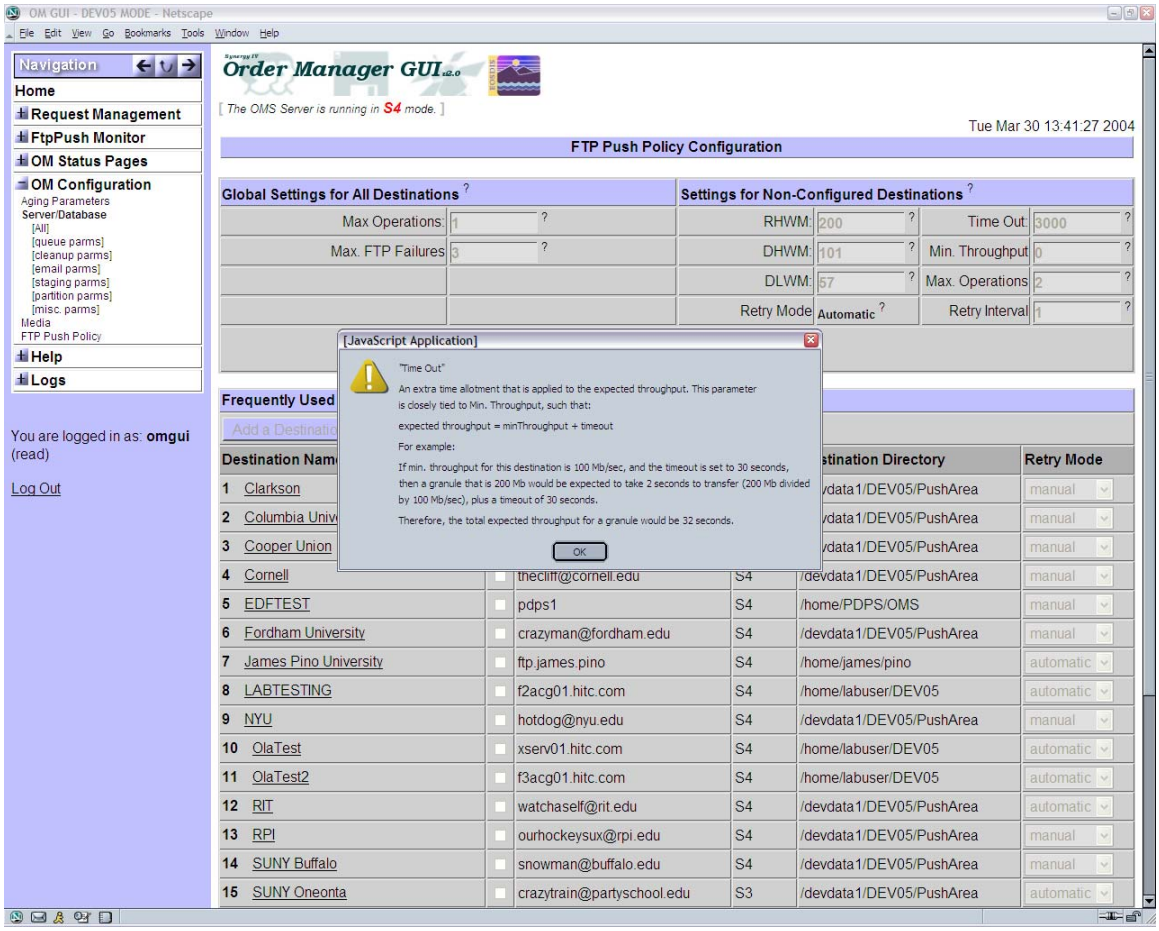



***Figure 4.11.15-35. HelpOnDemand Example***

### 4.11.15.2.14 OM GUI Log Viewer

The Log viewer is a simple diagnostics tool to aid the operator when an error occurs. It lets you view part or the entire Order Manager Page log file, which is a file specifically generated for the OM GUI by the OM GUI. It is usually sufficient to view the last 200-500 lines for recent activity. Simply enter the last number of lines of the log file you wish to view and click "OK". The entire log may be viewed by leaving the text box empty (or entering 0, or a number greater than or equal to the total number of lines in the file) and clicking on "OK".

Since the log file can grow to a very large size after continued use of the Order Manger Page, it is not recommended to load the entire log file all at once.

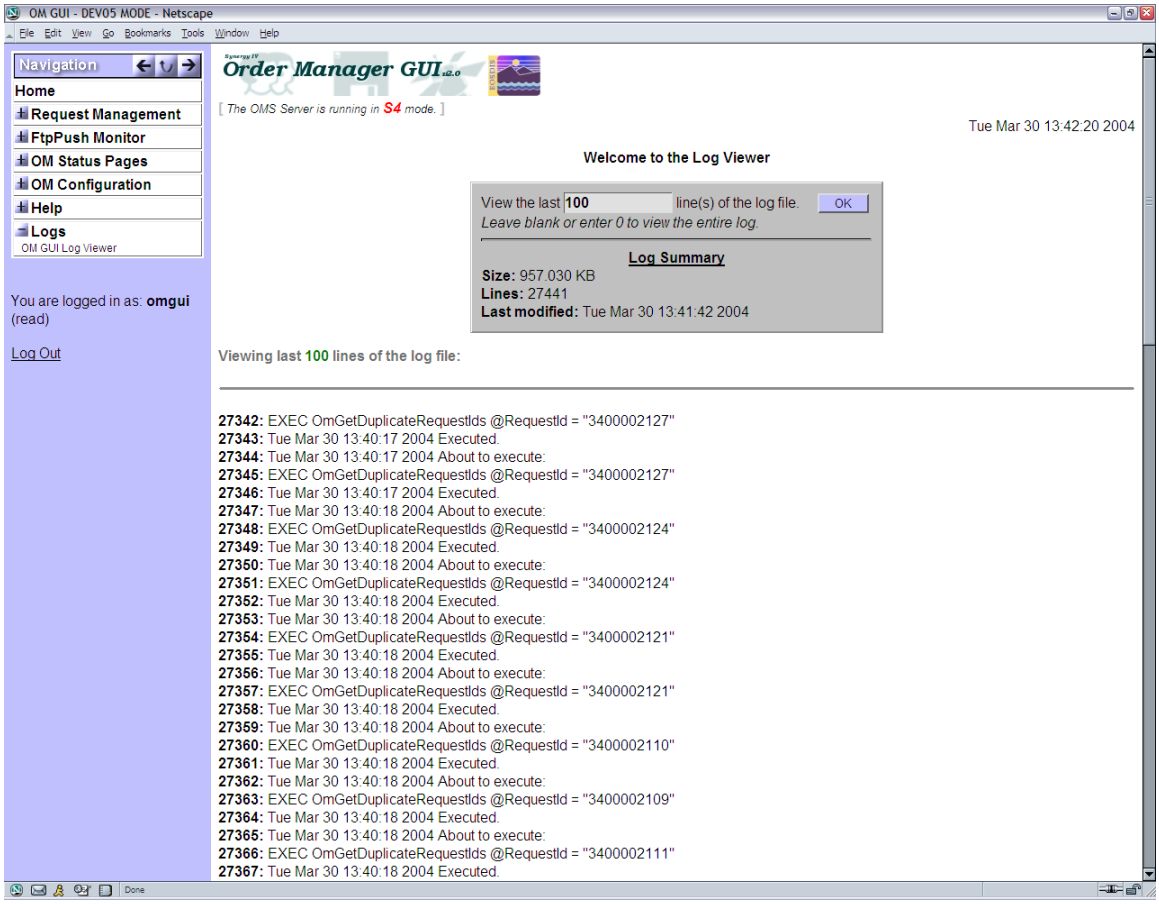



***Figure 4.11.15-36. OM GUI Log Viewer Example***

### 4.11.15.3 Required Operating Environment

The following environment is required for the OM GUI to work properly.

The O/S requirements are Solaris 2.5.1 or higher, or SGI IRIX6.5 or higher.

The OM GUI requires the installation of Netscape 7.0 or higher.

### 4.11.15.4 Interfaces and Data types

The OM GUI exchanges data between the Web Browser and Sybase, using Perl CGI and DBI Modules for the interface.

### 4.11.15.5 Databases

The OM GUI accesses the OMS and MSS Accountability databases.

### 4.11.15.6 Special Constraints

There are no special constraints to running the OM GUI.

### 4.11.15.7 Outputs

There are no outputs from the OM GUI except for status and error messages.

### 4.11.15.8 Events and Messages

The OM GUI writes status and error messages to the EcOmGui.log file in the directory /usr/ecs/<MODE>/CUSTOM/WWW/OMS/cgi-bin/logs.

### 4.11.15.9 Reports

The OM GUI does not generate reports.

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### 4.11.16 Order Manager Command Line Utility

The Order Manager Command Line utility provides a mechanism by which the ECS Operations Staff can submit order requests into the Order Manager System (OMS) database directly without knowing whether the Order Manager Server is up or down. The order request submitted by the Command Line utility is in ODL format, which conforms to the Product Request ODL protocol in the ICD Between the EOSDIS Core System (ECS) and the Version 0 System for Interoperability, with a few extensions.

#### 4.11.16.1 Quick Start Using the Order Manager Command Line Utility

To execute the Order Manager Command line utility, use the command line interface command below.

##### 4.11.16.1.1 Invoking Order Manager from the Command Line Interface

To execute the Order Manager from the command line interface, use the Command Line utility syntax provided below:

EcSrOmCliDriverStart <MODE > <rootname of ODL files> <numRequest> [<submissionInterval> <dbRetries> <dbRetryInterval>]

The mode parameter is required to indicate the mode (i.e., OPS, TS1, or TS2) in which the utility is being run. The command line parameters supported are described in Table 4.11.16-1.

***Table 4.11.16-1. Order Manager Command Line Parameters***

| Parameter Name | Required | Description |
|---|---|---|
| rootname of ODL files | Yes | Specifies the full pathname of root name of ODL files. For example, if there are two requests to be submitted concurrently, there must be two ODL files with the same root name, say odl.rqst, but different suffixes “0” and “1” for each file (i.e., there must be two files named odl.rqst.0 and odl.rqst.1 on the disk). The root name of ODL files in this case is <fullpath>/odl.rqst. The program automatically appends those suffixes for you, starting from 0. |
| numRequest | Yes | Specifies the number of requests the Command Line utility submits concurrently. |
| submissionInterval | No | Specifies how many seconds apart the requests are submitted. The default value 0 means all the requests are submitted with no submission interval (i.e., at the same time). |
| dbRetries | No | Specifies how many db retries the utility tries when the OMS database is inaccessible. The default value is 2 (times). |
| dbRetryInterval | No | Specifies how many seconds apart between retries when the OMS database is inaccessible. The default value is 10 (seconds). |

### 4.11.16.1.2 Order Manager Command Line Utility Configuration File

The Command Line Utility has an associated configuration file with values stored in a basic PARAMETER = VALUE format. Table 4.11.16-2 describes its contents:

***Table 4.11.16-2. Order Manager Configuration File Parameters***

| Parameter Name | Value Description |
|---|---|
| Name | EcOmSrCliDriver |
| ProgramID | 1300005 |
| ApplicationID | 1300000 |
| Site | DAAC Name |
| SubSystem | OMS |
| MajorVersion | 1 |
| MinorVersion | 0 |
| AppLogSize | The maximum ALOG size |
| AppLogLevel | ALOG level |
| DebugLevel | Debug log level |
| Release | B |
| PrincipalName | EcOmSrCliDriver |
| SDSRV_SYBASE_SERVER | Name of OMS Sybase SQL Server |
| SYBINTERFACES | Location of Sybase open client library interface file |
| DSSSrUNIXEnv | SYBASE DSQUERY |
| DBMAXRESULTS | Maximum database return rows |
| DBNAME | OMS database name |
| DBPASSWDSEED | 1300005 (the seed used to get Command Line utility database login password) |
| DBUSERNAME | OmSrCliDriver (the database login name of Command Line utility) |
| MAX_DB_CONNECTIONS | The maximum database connections Command Line utility uses to connect to the OMS Database |
| DSQUERY | Name of SQS Server |
| SDSRV_DB_MAX_JOINS | Maximum number of database join operations |
| DSSSrEnv_DB | DBUSERNAME DBPASSWDSEED DBNAME DBMAXRESULTS SYBINTERFACES SDSRV_SYBASE_SERVER SDSRV_DB_MAX_JOINS |
| DSSSrEnv | $DSSSrEnv_DB |

### 4.11.16.1.3 ODL Template File

There are brackets ([]), and braces ({}) around some of the lines and groups. The brackets mean it is optional and subject to change its contents. The braces mean it is not optional but subject to change its contents. The lines or group of lines with no brackets or braces around them mean: "do not change them."

To use the template file:

Step 1. Copy the template file to a new file.

Step 2. Customize those lines and groups with the brackets or braces in the new file.

Step 3. Remove the brackets and braces around the lines and groups from the new file.

### 4.11.16.1.4 ODL Template File for "FtpPull" Media Type

```
  GROUP = PRODUCT_REQUEST
    MESSAGE_ID = "B1027711830"
    [REQUEST_ID = "37475:27364"]
```

**The above line is optional. If it is there, the value part must be in the format of "order id:requst id" which you retrieve from the MSS database, in this case <order id>=37475 and <request id>=27364. If it is not there, command line utility creates an order id and request id for this request.**

```
    DATA_CENTER_ID = "ECS-TEST"
    [ECS_AUTHENTICATOR = "labuser"]
```

**The above line is optional. If it is there, the value ought to be a valid ECS user in the ECS User Registration Database. If it is not there, this request is regarded as an "ECSGuest" user.**

```
    GROUP = USER_AFFILIATION
       CATEGORY = "USA"
       TYPE = "GOVERNMENT"
    END_GROUP = USER_AFFILIATION
    {
    GROUP = CONTACT_ADDRESS
       TITLE = ""
       FIRST_NAME = "Yu"
       MIDDLE_INITIAL = ""
       LAST_NAME = "Zhongfei"
       ORGANIZATION = ""
       ADDRESS = ("abcd")
       CITY = "Landover"
       STATE = "MD"
       ZIP = ""
       COUNTRY = "UNITED STATES"
       PHONE = "301-925-1042"
       FAX = ""
       EMAIL = "zyu@eos.hitc.com"
    END_GROUP = CONTACT_ADDRESS
    }
```

**The above group is not optional, but the contents of each line could be customized.**

```
    {
    GROUP = SHIPPING_ADDRESS
       TITLE = ""
       FIRST_NAME = "Yu"
       MIDDLE_INITIAL = ""
       LAST_NAME = "Zhongfei"
       ORGANIZATION = ""
       ADDRESS = ("abcd")
       CITY = "Landover"
       STATE = "MD"
       ZIP = ""
       COUNTRY = "UNITED STATES"
       PHONE = "301-925-1042"
       FAX = ""
       EMAIL = "zyu@eos.hitc.com"
```

```
   END_GROUP = SHIPPING_ADDRESS
   }
```
**The above group is not optional, but the contents of each line could be customized.**
```
   {
   GROUP = BILLING_ADDRESS
      TITLE = ""
      FIRST_NAME = "Yu"
      MIDDLE_INITIAL = ""
      LAST_NAME = "Zhongfei"
      ORGANIZATION = ""
      ADDRESS = ("abcd")
      CITY = "Landover"
      STATE = "MD"
      ZIP = ""
      COUNTRY = "UNITED STATES"
      PHONE = "301-925-1042"
      FAX = ""
      EMAIL = "zyu@eos.hitc.com"
   END_GROUP = BILLING_ADDRESS
   }
```
**The above group is not optional, but the contents of each line could be customized.**
```
   GROUP = LINE_ITEM
      {DATASET_ID = "LANDSAT-7 LEVEL-0R FLOATING SCENES V002"}
```
**This line could be changed to the ESDT long name matching with the granule given in the next line.**
```
      {PACKAGE_ID = "SC:L70R.002:23420"}
```
**This line could be customized in the format of "granule type:ESDT shortname:ESDT version id:db id."**
```
      PROCESSING_OPTIONS = "Native Granule"
      {MEDIA_TYPE = "FtpPull"}
```
**This line could be customized to any media type such as CDROM, DVD, DLT, or 8MM.**
```
      {MEDIA_FORMAT = "FILEFORMAT"}
```
**This line could be changed to match the media type given in the above line.**
```
      EST_COST = 777.88
      [
      GROUP = SUBSET_SPEC
         GROUP = SPECIALIZED_CRITERIA
            CRITERIA_NAME = "Band Subsetting"
            CRITERIA_TYPE = "STRING"
            CRITERIA_VALUE = ("QA_BAND2_PRESENT", "QA_BAND3_PRESENT",
"QA_BAND4_PRESENT", "QA_BAND5_PRESENT", "QA_BAND6_PRESENT_F1",
"QA_BAND6_PRESENT_F2", "QA_BAND7_PRESENT", "QA_BAND8_PRESENT")
         END_GROUP = SPECIALIZED_CRITERIA
         GROUP = SPECIALIZED_CRITERIA
            CRITERIA_NAME = "Spatial Subsetting"
            CRITERIA_TYPE = "GEO"
            CRITERIA_VALUE = "BY_POLYGON_LOC"
            GROUP = POLYGON_LOC
               TANGENT_LATITUDE = 81.8895
               TANGENT_LONGITUDE = 158.423
               MAP_PROJECTION_TYPE = "ORTHOGRAPHIC"
               LATITUDE = (83.2017, 81.4847, 80.4686, 81.8274)
               LONGITUDE = (-175.078, -176.234, 155.986, 151.309)
               WG_ZOOM = 2
            END_GROUP = POLYGON_LOC
         END_GROUP = SPECIALIZED_CRITERIA
         GROUP = SPECIALIZED_CRITERIA
```

```
            CRITERIA_NAME = "Scan Line Size"
            CRITERIA_TYPE = "INTEGER"
            CRITERIA_VALUE = 1104
         END_GROUP = SPECIALIZED_CRITERIA
      END_GROUP = SUBSET_SPEC
      ]
```
**This group is optional, indicates the subset option goes along with this granule.**
```
      GROUP = PATH_ROW_LOC
         PATH = (119)
         ROW = (233)
      END_GROUP = PATH_ROW_LOC
      GROUP = POLYGON_LOC
         LATITUDE = (70.31, 69.6, 64.78, 65.36)
         LONGITUDE = (-80.91, -85.44, 136.97, 133.18)
         CENTROID_LAT = 81.94
         CENTROID_LON = -170.59
         POLE_INCLUDED = "X"
      END_GROUP = POLYGON_LOC
   END_GROUP = LINE_ITEM
```
**The LINE_ITEM group could be repeated if there are more granules to be ordered in one request.**
```
   GROUP = MONITOR
      SESSION_ID = "cheyenne.hitc.com:24496:20020726:153027"
      TX_CLIENT = ("1027711832", "939137")
   END_GROUP = MONITOR
   GROUP = VERSION
      SENDER_VERSION = "imswww-3_4b_6"
      PROTOCOL_VERSION = 3.2
      IMS_STAFF = "1"
   END_GROUP = VERSION
   [PRIORITY = "HIGH"]
```
**This line is optional. The default is LOW with the possible values being LOW, NORMAL, HIGH, VHIGH and XPRESS.**
```
   [USERSTRING = "TESTFOR"]
```
**This line is optional. But if it is there, the length must be less than 80 characters.**
```
   [NOTIFY = "zyu@eos.hitc.com"]
```
**This line is optional. But if it is there, the length must be less than 255 characters.**
```
   [DDISTNOTIFYTYPE = “MAIL”]
```
**This line is optional.**
```
 END_GROUP = PRODUCT_REQUEST
END
```

### 4.11.16.1.5 ODL Template File for “FtpPush” Media Type

```
GROUP = PRODUCT_REQUEST
   MESSAGE_ID = "B1027711830"
   [REQUEST_ID = "37475:27364"]
   DATA_CENTER_ID = "ECS-TEST"
   [ECS_AUTHENTICATOR = "labuser"]
   GROUP = USER_AFFILIATION
      CATEGORY = "USA"
      TYPE = "GOVERNMENT"
   END_GROUP = USER_AFFILIATION
   {
   GROUP = CONTACT_ADDRESS
      TITLE = ""
      FIRST_NAME = "Yu"
      MIDDLE_INITIAL = ""
```

```
      LAST_NAME = "Zhongfei"
      ORGANIZATION = ""
      ADDRESS = ("abcd")
      CITY = "Landover"
      STATE = "MD"
      ZIP = ""
      COUNTRY = "UNITED STATES"
      PHONE = "301-925-1042"
      FAX = ""
      EMAIL = "zyu@eos.hitc.com"
   END_GROUP = CONTACT_ADDRESS
   }
   {
   GROUP = SHIPPING_ADDRESS
      TITLE = ""
      FIRST_NAME = "Yu"
      MIDDLE_INITIAL = ""
      LAST_NAME = "Zhongfei"
      ORGANIZATION = ""
      ADDRESS = ("abcd")
      CITY = "Landover"
      STATE = "MD"
      ZIP = ""
      COUNTRY = "UNITED STATES"
      PHONE = "301-925-1042"
      FAX = ""
      EMAIL = "zyu@eos.hitc.com"
   END_GROUP = SHIPPING_ADDRESS
   }
   {
   GROUP = BILLING_ADDRESS
      TITLE = ""
      FIRST_NAME = "Yu"
      MIDDLE_INITIAL = ""
      LAST_NAME = "Zhongfei"
      ORGANIZATION = ""
      ADDRESS = ("abcd")
      CITY = "Landover"
      STATE = "MD"
      ZIP = ""
      COUNTRY = "UNITED STATES"
      PHONE = "301-925-1042"
      FAX = ""
      EMAIL = "zyu@eos.hitc.com"
   END_GROUP = BILLING_ADDRESS
   }
   GROUP = LINE_ITEM
      {DATASET_ID = "JPL-GENERATED ASTER LEVEL 1B DATA - THERMAL IR CHANNELS ONLY
V001"}
      {PACKAGE_ID = "SC:AST_L1BT.001:7644"}
      PROCESSING_OPTIONS = "Native Granule"
      {MEDIA_TYPE = "FtpPush"}
      {MEDIA_FORMAT = "FILEFORMAT"}
      EST_COST = 777.88
```

```
      GROUP = ORDER_SPEC
        GROUP = SPECIALIZED_CRITERIA
          CRITERIA_NAME = "FTPHOST"
          CRITERIA_TYPE = "STRING"
          {CRITERIA_VALUE = "origin"}
        END_GROUP = SPECIALIZED_CRITERIA
        GROUP = SPECIALIZED_CRITERIA
          CRITERIA_NAME = "FTPPASSWORD"
          CRITERIA_TYPE = "STRING"
          {CRITERIA_VALUE = "Sept6A02"}
        END_GROUP = SPECIALIZED_CRITERIA
        GROUP = SPECIALIZED_CRITERIA
          CRITERIA_NAME = "FTPPUSHDEST"
          CRITERIA_TYPE = "STRING"
          {CRITERIA_VALUE = "/devdata1/DEV01/PushArea"}
        END_GROUP = SPECIALIZED_CRITERIA
        GROUP = SPECIALIZED_CRITERIA
          CRITERIA_NAME = "FTPUSER"
          CRITERIA_TYPE = "STRING"
          {CRITERIA_VALUE = "labuser"}
        END_GROUP = SPECIALIZED_CRITERIA
        GROUP = SPECIALIZED_CRITERIA
          CRITERIA_NAME = "USERSTRING"
          CRITERIA_TYPE = "STRING"
          {CRITERIA_VALUE = "ABCD"}
        END_GROUP = SPECIALIZED_CRITERIA
      END_GROUP = ORDER_SPEC
```

**The ORDER_SPEC group is designed for specifying all the FtpPush parameters, it must be there for the FtpPush Media Type.**

```
      GROUP = RANGE_LOC
        NORTH_LATITUDE = 10.12
        WEST_LONGITUDE = -130.12
        SOUTH_LATITUDE = -10.12
        EAST_LONGITUDE = 63.1
      END_GROUP = RANGE_LOC
    END_GROUP = LINE_ITEM
    GROUP = MONITOR
      SESSION_ID = "cheyenne.hitc.com:24496:20020726:153027"
      TX_CLIENT = ("1027711832", "939137")
    END_GROUP = MONITOR
    GROUP = VERSION
      SENDER_VERSION = "imswww-3_4b_6"
      PROTOCOL_VERSION = 3.2
      IMS_STAFF = "1"
    END_GROUP = VERSION
    [PRIORITY = "HIGH"]
    [USERSTRING = "TESTFOR"]
    [NOTIFY = "zyu@eos.hitc.com"]
    [DDISTNOTIFYTYPE = "MAIL"]
  END_GROUP = PRODUCT_REQUEST
END
```

### 4.11.16.1.6 ODL Template File for “CDROM” Media Type

```
GROUP = PRODUCT_REQUEST
  MESSAGE_ID = "B1027711830"
```

```
[REQUEST_ID = "37475:27364"]
DATA_CENTER_ID = "ECS-TEST"
[ECS_AUTHENTICATOR = "labuser"]
GROUP = USER_AFFILIATION
   CATEGORY = "USA"
   TYPE = "GOVERNMENT"
END_GROUP = USER_AFFILIATION
{
GROUP = CONTACT_ADDRESS
   TITLE = ""
   FIRST_NAME = "Yu"
   MIDDLE_INITIAL = ""
   LAST_NAME = "Zhongfei"
   ORGANIZATION = ""
   ADDRESS = ("abcd")
   CITY = "Landover"
   STATE = "MD"
   ZIP = ""
   COUNTRY = "UNITED STATES"
   PHONE = "301-925-1042"
   FAX = ""
   EMAIL = "zyu@eos.hitc.com"
END_GROUP = CONTACT_ADDRESS
}
{
GROUP = SHIPPING_ADDRESS
   TITLE = ""
   FIRST_NAME = "Yu"
   MIDDLE_INITIAL = ""
   LAST_NAME = "Zhongfei"
   ORGANIZATION = ""
   ADDRESS = ("abcd")
   CITY = "Landover"
   STATE = "MD"
   ZIP = ""
   COUNTRY = "UNITED STATES"
   PHONE = "301-925-1042"
   FAX = ""
   EMAIL = "zyu@eos.hitc.com"
END_GROUP = SHIPPING_ADDRESS
}
{
GROUP = BILLING_ADDRESS
   TITLE = ""
   FIRST_NAME = "Yu"
   MIDDLE_INITIAL = ""
   LAST_NAME = "Zhongfei"
   ORGANIZATION = ""
   ADDRESS = ("abcd")
   CITY = "Landover"
   STATE = "MD"
   ZIP = ""
   COUNTRY = "UNITED STATES"
   PHONE = "301-925-1042"
```

```
      FAX = ""
      EMAIL = "zyu@eos.hitc.com"
   END_GROUP = BILLING_ADDRESS
   }
   GROUP = LINE_ITEM
      {DATASET_ID = "JPL-GENERATED ASTER LEVEL 1B DATA - THERMAL IR CHANNELS ONLY
V001"}
      {PACKAGE_ID = "SC:AST_L1BT.001:7644"}
      PROCESSING_OPTIONS = "Native Granule"
      {MEDIA_TYPE = "CDROM"}
```
**The above line specifies the CDROM media type, and the next line specifies the matching media format.**
```
      {MEDIA_FORMAT = "RockRidge"}
      EST_COST = 777.88
   END_GROUP = LINE_ITEM
   GROUP = MONITOR
      SESSION_ID = "cheyenne.hitc.com:24496:20020726:153027"
      TX_CLIENT = ("1027711832", "939137")
   END_GROUP = MONITOR
   GROUP = VERSION
      SENDER_VERSION = "imswww-3_4b_6"
      PROTOCOL_VERSION = 3.2
      IMS_STAFF = "1"
   END_GROUP = VERSION
   [PRIORITY = "HIGH"]
   [USERSTRING = "TESTFOR"]
   [NOTIFY = "zyu@eos.hitc.com"]
   [DDISTNOTIFYTYPE = "MAIL"]
 END_GROUP = PRODUCT_REQUEST
END
```

### 4.11.16.1.7 ODL Template File for DataPool-only granules

```
 GROUP = PRODUCT_REQUEST
    MESSAGE_ID = "B1027711830"
    [REQUEST_ID = "37475:27364"]
    DATA_CENTER_ID = "ECS-TEST"
    [ECS_AUTHENTICATOR = "labuser"]
    [METADATA_FLAG = "Y"]
```
**The above line specifies the whether the Meta Data file associated with the granule in LINE_ITEM group is ordered or not.**
```
    GROUP = USER_AFFILIATION
        CATEGORY = "USA"
        TYPE = "GOVERNMENT"
    END_GROUP = USER_AFFILIATION
    {
    GROUP = CONTACT_ADDRESS
        TITLE = ""
        FIRST_NAME = "Yu"
        MIDDLE_INITIAL = ""
        LAST_NAME = "Zhongfei"
        ORGANIZATION = ""
        ADDRESS = ("abcd")
        CITY = "Landover"
        STATE = "MD"
        ZIP = ""
        COUNTRY = "UNITED STATES"
```

```
        PHONE = "301-925-1042"
        FAX = ""
        EMAIL = "zyu@eos.hitc.com"
    END_GROUP = CONTACT_ADDRESS
    }
    {
    GROUP = SHIPPING_ADDRESS
        TITLE = ""
        FIRST_NAME = "Yu"
        MIDDLE_INITIAL = ""
        LAST_NAME = "Zhongfei"
        ORGANIZATION = ""
        ADDRESS = ("abcd")
        CITY = "Landover"
        STATE = "MD"
        ZIP = ""
        COUNTRY = "UNITED STATES"
        PHONE = "301-925-1042"
        FAX = ""
        EMAIL = "zyu@eos.hitc.com"
    END_GROUP = SHIPPING_ADDRESS
    }
    {
    GROUP = BILLING_ADDRESS
        TITLE = ""
        FIRST_NAME = "Yu"
        MIDDLE_INITIAL = ""
        LAST_NAME = "Zhongfei"
        ORGANIZATION = ""
        ADDRESS = ("abcd")
        CITY = "Landover"
        STATE = "MD"
        ZIP = ""
        COUNTRY = "UNITED STATES"
        PHONE = "301-925-1042"
        FAX = ""
        EMAIL = "zyu@eos.hitc.com"
    END_GROUP = BILLING_ADDRESS
    }
    GROUP = LINE_ITEM
        {DATASET_ID = "Non-ECS granule"}
        {PACKAGE_ID = "WB:AST_L1BT.001:7644"}
```

**The above line specifies the DataPool-only granule, the granule type must be “WB”**

```
        PROCESSING_OPTIONS = "Native Granule"
        {MEDIA_TYPE = "8MM"}
        {MEDIA_FORMAT = "TARFORMAT"}
        EST_COST = 777.88
    END_GROUP = LINE_ITEM
    GROUP = LINE_ITEM
        {DATASET_ID = "JPL-GENERATED ASTER LEVEL 1B DATA - THERMAL IR
CHANNELS ONLY V001"}
        {PACKAGE_ID = "DP:AST_L1BT.001:7645"}
        PROCESSING_OPTIONS = "Native Granule"
        {MEDIA_TYPE = "8MM"}
        {MEDIA_FORMAT = "TARFORMAT"}
```

```
        EST_COST = 777.88
    END_GROUP = LINE_ITEM
    GROUP = MONITOR
        SESSION_ID = "cheyenne.hitc.com:24496:20020726:153027"
        TX_CLIENT = ("1027711832", "939137")
    END_GROUP = MONITOR
    GROUP = VERSION
        SENDER_VERSION = "imswww-3_4b_6"
        PROTOCOL_VERSION = 3.2
        IMS_STAFF = "1"
    END_GROUP = VERSION
    [PRIORITY = "HIGH"]
    [USERSTRING = "TESTFOR"]
    [NOTIFY = "zyu@eos.hitc.com"]
    [DDISTNOTIFYTYPE = "MAIL"]
 END_GROUP = PRODUCT_REQUEST
END
```

#### 4.11.16.1.8 Examples

### Example 1

EcSrOmCliDriverStart <MODE> /usr/ecs/<MODE>/CUSTOM/data/OMS/template/odl.rqst **1**

This means one file called **odl.rqst.0** in directory /usr/ecs/<MODE>/CUSTOM/data/OMS/template/

### Example 2

EcSrOmCliDriverStart <MODE> /usr/ecs/<MODE>/CUSTOM/data/OMS/template/odl.rqst **10**

This means ten files must be named, **odl.rqst.0, odl.rqst.1, odl.rqst.2, odl, rqst.3, odl.rqst.4, odl.rqst.5, odl.rqst.6, odl.rqst.7, odl.rqst.8, odl.rqst.9** in directory /usr/ecs/<MODE>/CUSTOM/data/OMS/template/

### Example 3

EcSrOmCliDriverStart <MODE> /usr/ecs/<MODE>/CUSTOM/data/OMS/template/odl.rqst 3 **5**

There are 3 requests to be submitted with 5 seconds submission interval.

### Example 4

EcSrOmCliDriverStart <MODE> /usr/ecs/<MODE>/CUSTOM/data/OMS/template/odl.rqst 3 5 **10 20**

There are 3 requests to be submitted with 5 seconds submission interval and 5 db retries and 20 seconds db retry interval if database is inaccessible.

### 4.11.16.2 Order Manager Command Line Utility Main Screen

There is no main screen for this utility. This is a command line interface only.

### 4.11.16.3 Required Operating Environment

The Command Line Utility runs on the Sun Solaris platform.

### 4.11.16.4 Databases

Table 4.11.16-3 lists the databases, stored procedures and tables used by the Command Line utility.

***Table 4.11.16-3. Order Manager Data Bases***

| Database | Stored Procedure | Table(s) |
|---|---|---|
| EcOmDB_<MODE> | OmCreateRequest | OmRequest |
| | | OmRequestOptions |
| | OmInsertGranule | OmGranule |
| | OmInsertSubSetInfo | OmSubSettingInfo |
| | OmInsertAction | OmActionQueue |
| mss_acct_db_<MODE> | | EcAcRequest |
| | | EcAcAddress |

### 4.11.16.5 Special Constraints

Table 4.11.16-4 lists the COTS product dependencies for the Command Line Utility.

***Table 4.11.16-4. Order Manager COTS Products Dependencies***

| Product Dependency | Protocols Used | Comments |
|---|---|---|
| OMS Database | SQL | Via SQL server machine |
| Sybase Open Client library | Sybase client/server communication | Requires proper baseline version of Open Client library |

### 4.11.16.6 Outputs

The Command Line Utility does not produce any reports but sends messages to the operator via a log file.

### 4.11.16.7 Event and Error Messages

The Command Line Utility writes information useful to the operator to a log file. The file is stored in the /usr/ecs/<MODE>/CUSTOM/logs directory and is named

EcOmSrCliDriverDebug.log and EcOmSrCliDriver.ALOG. The utility renames the debug log and ALOG files to the name with current time stamp suffixes if they already exist and create new debug log and ALOG files.

There are two types of messages written to the utility's log file: errors and informative messages. Error messages include information about program internal/external faults, unplanned disconnects with the Sybase Server, general database errors, unable to open ODL files due permission or nonexistence, and configuration file problems. Informative messages include when the utility starts and stops and progress messages. All messages are date and time stamped.

If there are syntax errors in command-line invocation, a usage message is printed to the screen.

### 4.11.16.8 Reports

The Command Line Utility does not produce any reports.

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### 4.11.17 OMS Configuration Command Line Interface

The Synergy IV OMS Configuration Command Line Interface (hereafter referred to as the OMS Configuration CI) provides DAAC operators with the ability to configure specific parameters for the OMS Server and Database that are not configurable via the OMS GUI. The ability to configure these parameters and settings in this utility is restricted to limited-capability operators.

The OMS Configuration CI is a new capability for Synergy IV. Like most other ECS utilities, the OMS Configuration CI interacts directly with the OMS Database. However unlike many ECS command-line interfaces, the OMS Configuration CI uses an interactive menu system in addition to the ability to pass in command-line options.

Because of the nature and scope of the parameters and settings configurable with this utility, it should be rarely used. Most of the parameters and settings that would commonly and frequently be configured for the OMS as a system are done so via the OMS GUI.

**Notes on Operator Capability Levels**

In accordance with new Operator GUI security standards, the OMS GUI implements two levels of permissions such that only Full Capability operators have the ability to configure parameters and perform certain actions, while Limited Capability operators are limited to basic functionality as outlined in the OMS GUI section. The intention for the OMS Configuration CI is that it should be limited to operators of this "full capability" level. Certain parameters and capabilities were purposefully omitted from the OMS GUI to further restrict operator interaction due to the sensitivity of these parameters.

**The Synergy IV OMS Configuration CI provides Full Capability operators with the ability to:**

- Configure Synergy III mode exceptions. The operator can specify which media types, ESDT Collections, and FTP Push destinations should be processed using the Synergy III Processing Mode
- Set the Processing Mode of the OMS Server (i.e., toggle between Synergy III and Synergy IV)
- Configure Order Tracking Details for MSS and OMS

#### 4.11.17.1 Starting the OMS Configuration CI

**Note:** Although this utility is not protected in the same way as the OMS GUI, it was designed to be limited to Full Capability operators. Because it is a UNIX utility, it will employ standard UNIX security by protecting the execute permissions.

**Script name**: EcOmConfig.pl

**Script path**: /usr/ecs/<MODE>/CUSTOM/utilities/

**Installation location:** Installed onto the same machine as the OMS Server

**Usage**: EcOmConfig.pl [-s3dest <file> -s3esdt <file> -ot <file>] [-help]

No mode is required.

***Table 4.11.17-1. Option Summary***

| Option | Description |
|---|---|
| -s3esdt <file> | The flat file containing the list of ESDT collections to be added or deleted for processing in Synergy III mode, depending on the selection made by the operator |
| -s3dest <file> | The flat file containing the list of FTP Push destinations to be added or deleted for processing in Synergy III mode, depending on the selection made by the operator |
| -ot <file> | The flat file containing edited order tracking configuration for update in the OMS database (see formatting instructions below) |
| -help | Gives a brief overview of the input options that can be used with this utility. |

**Note:** All the above options can be used concurrently.

### 4.11.17.2 OMS Configuration CI Operational Overview

Start the CI as specified above, passing in the options and any required flat files. The CI menu will interactively prompt the operator to take certain actions with those files (it will never automatically process files). Select the type of configuration desired from the menu by typing the corresponding number at the prompt.

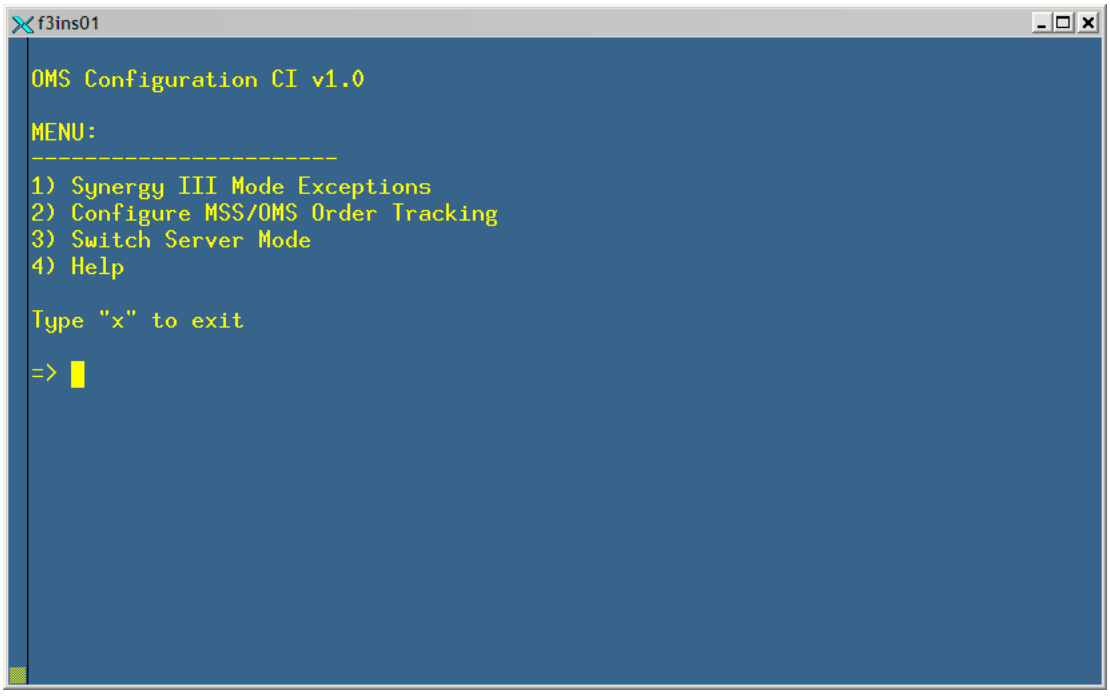


***Figure 4.11.17-1. Synergy III Mode Exceptions Menu Screen***

When this item is selected, a submenu appears with the following selections.

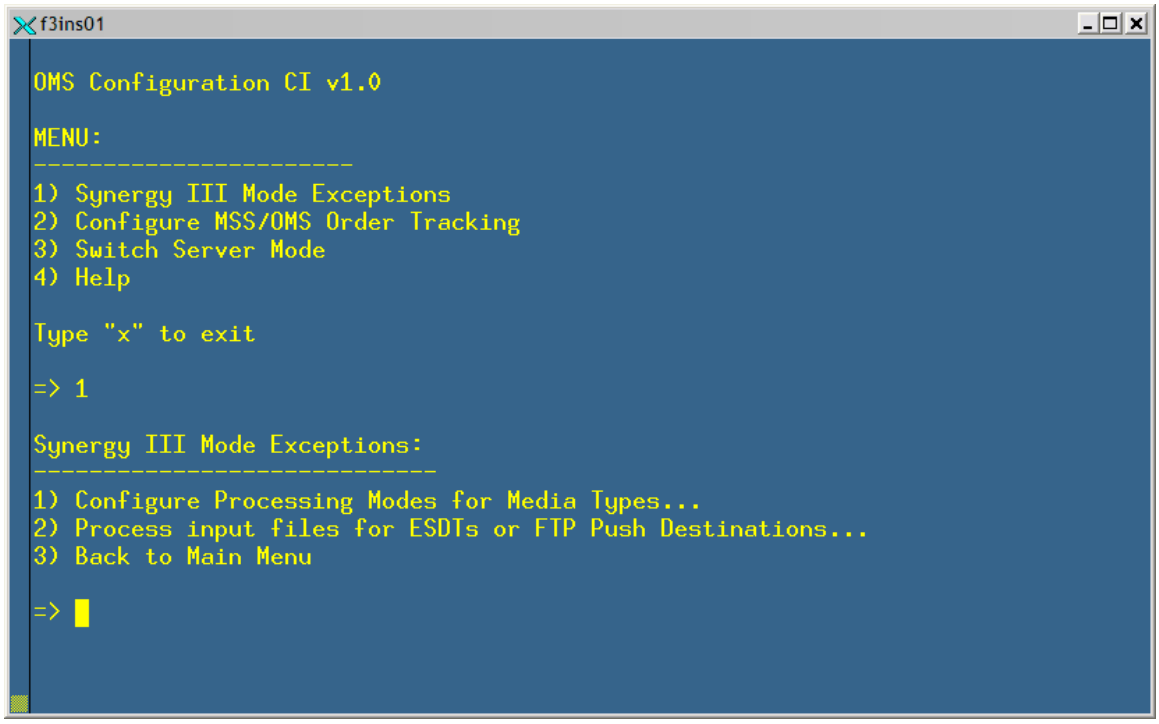


***Figure 4.11.17-2. Synergy III Mode Exceptions Selection Screen (1 of 3)***

To process any of the input files specified for Synergy III Exceptions (e.g., -s3esdt), type item 2. The utility will determine which file was specified for which purpose and ask for confirmation.

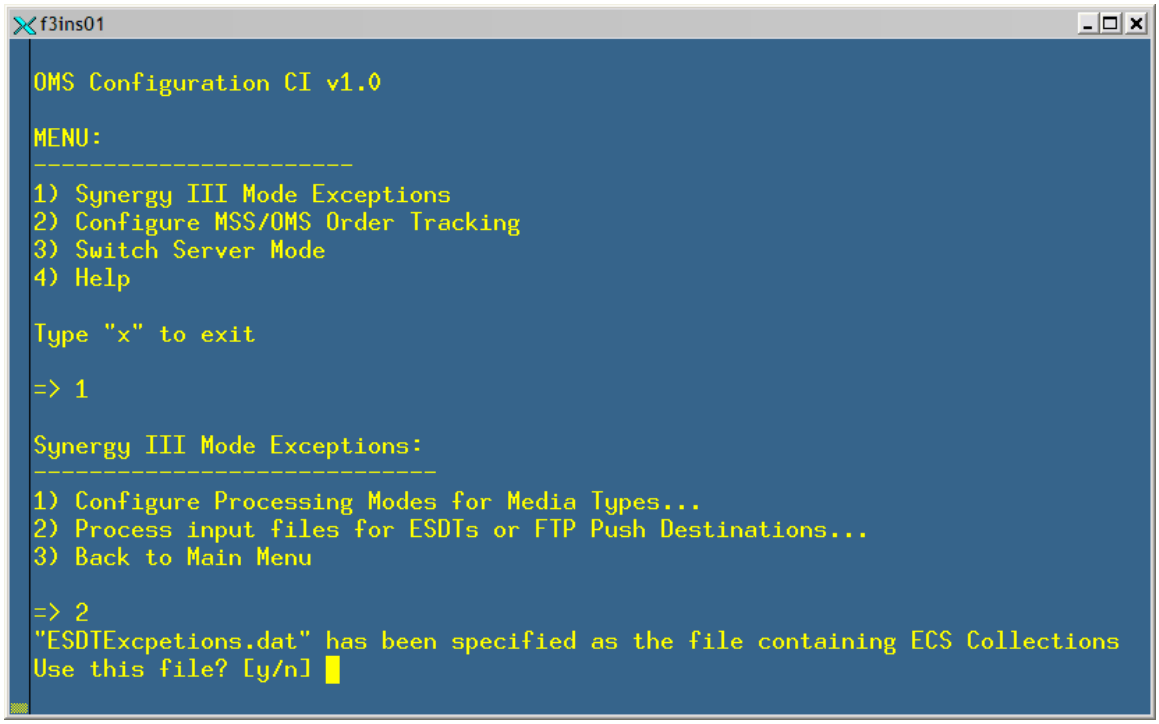


***Figure 4.11.17-2. Synergy III Mode Exceptions Selection Screen (2 of 3)***

Type ‘y’ to confirm. You will then need to select an action to take (add or delete the specified items in the list contained in the input file).

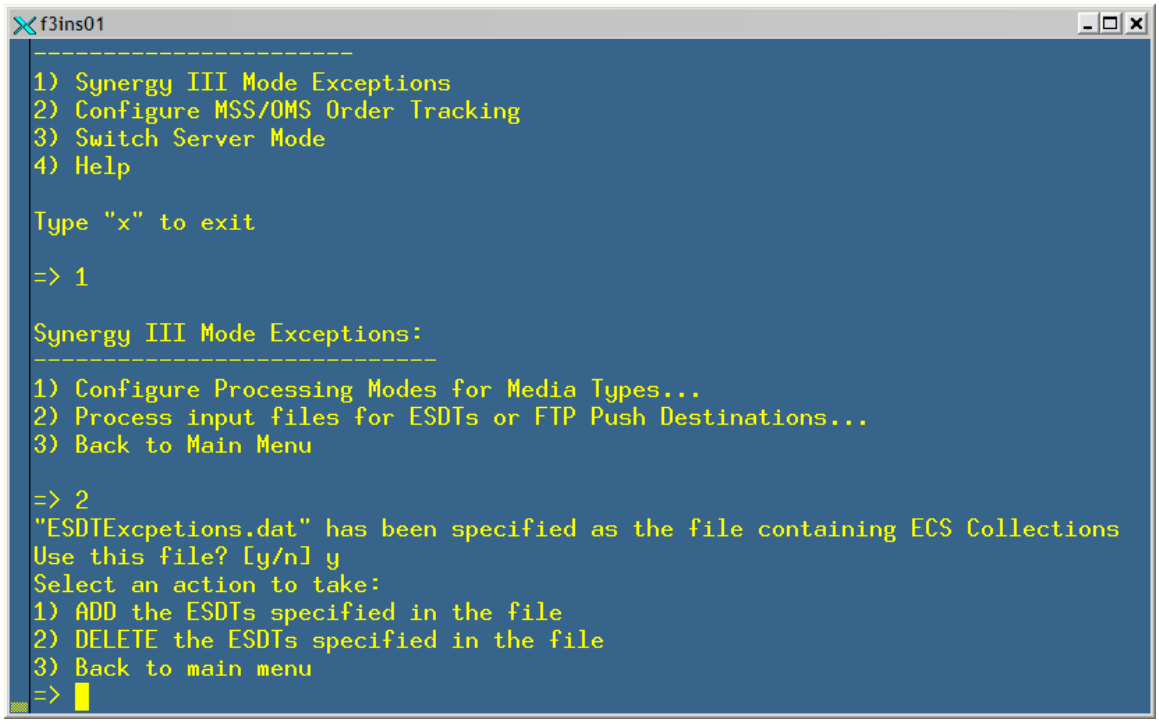


***Figure 4.11.17-2. Synergy III Mode Exceptions Selection Screen (3 of 3)***

If you want the ESDTs specified in the file to be processed in Synergy III mode, select ADD (item 1), otherwise if you want those ESDTs *not* to be processed in Synergy III mode (i.e., they will be processed in Synergy IV mode), selected DELETE (item 2).

In this example, we chose to ADD the ESDTs.

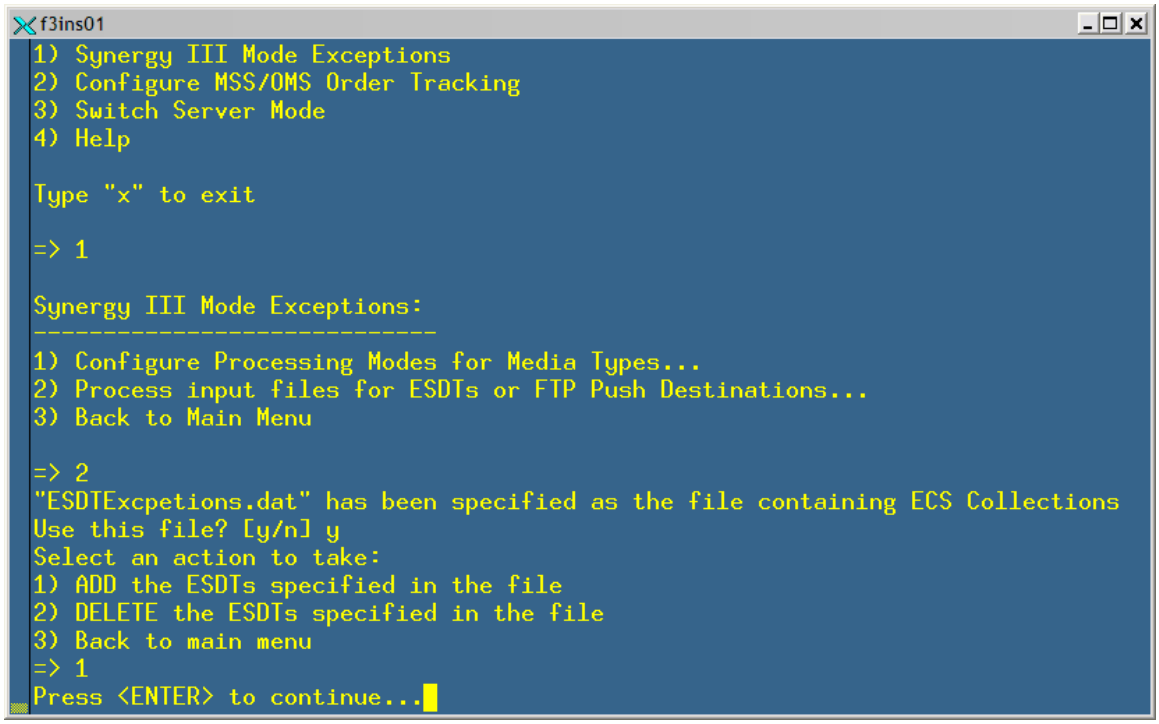


***Figure 4.11.17-3. Synergy III Mode Exceptions Selection Screen: Adding ESDTs***

This same process is applied to FTP Push destinations– the operator will be prompted to ADD or DELETE in the same way.

### 4.11.17.3 File Formats

The flat files containing the media, destination, or ESDT information should consist of one item per line.

Examples:

ESDT file: *White space is ignored, so multiple lines can separate groups of collection.*

```
MOD11_L2.001
MOD11_L2.002
GDAS_0ZF.001
GDAS_0ZF.002
.
.
.
```

FTP Push Destinations file:

```
Fordham University
Yale University
Goddard DAAC Site 1
.
.
```

### 4.11.17.4 Synergy III Mode Exceptions – Media Types

Changing the processing mode for a media is different than for FTP Push destinations or ESDTs. In this case the operator does not provide an input file. Instead it is changed through an interactive menu system.

From the main menu, select "Synergy III Mode Exceptions" and then "Configure Processing Modes for Media Types..." from the subsequent menu:

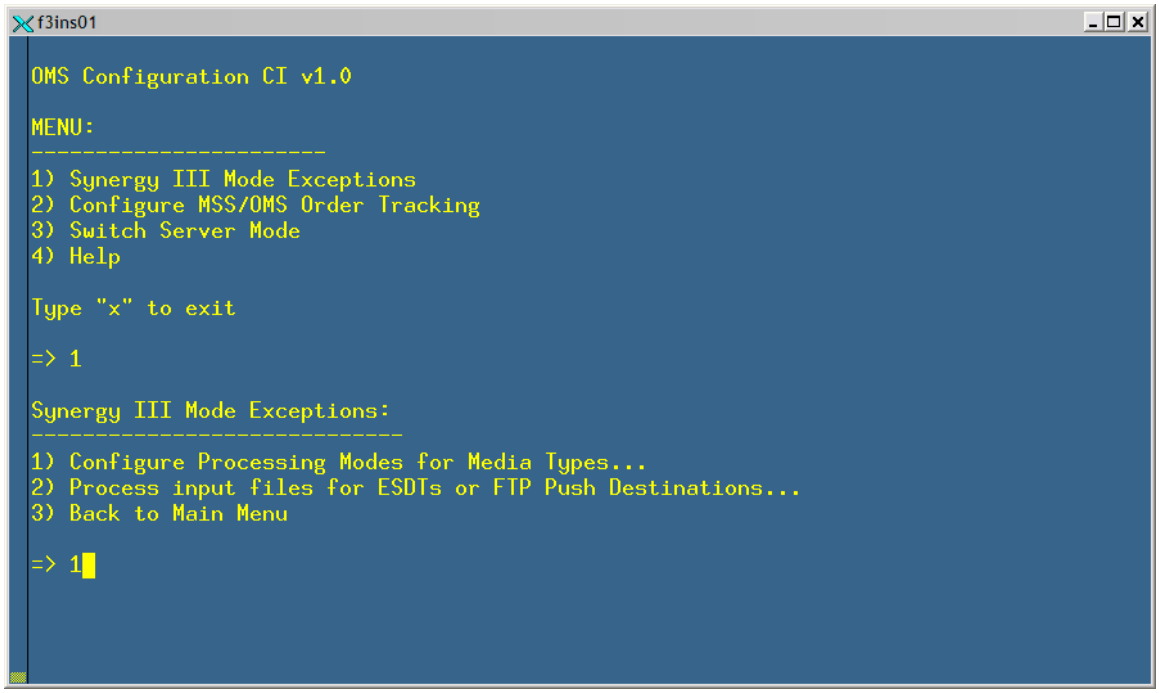


***Figure 4.11.17-4. Synergy III Mode Exceptions Selection Screen: Selecting Media Type.***

The Media Type configuration screen will then display all available media types and their current processing modes. You can then select the media type you wish to configure.

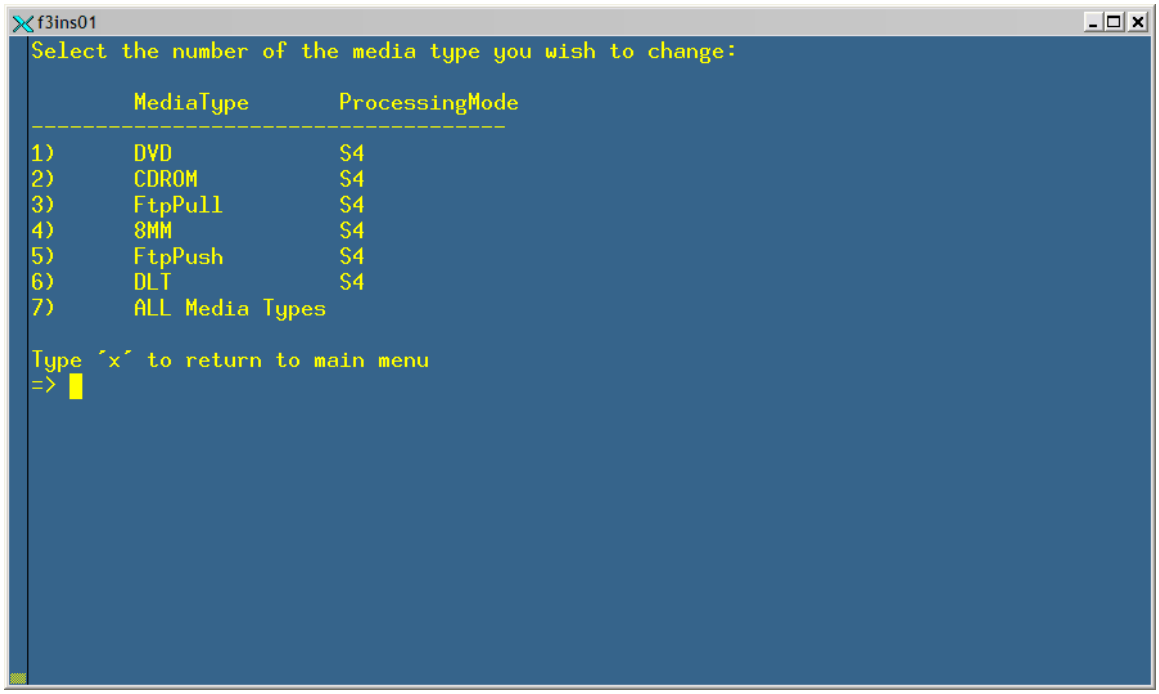


***Figure 4.11.17-5. Processing Modes for Media Type Menu Screen***

If for example we want to change "DVD" to the S3 processing mode, we would select the number for that media type, 1. We then get a prompt to choose its new processing mode.

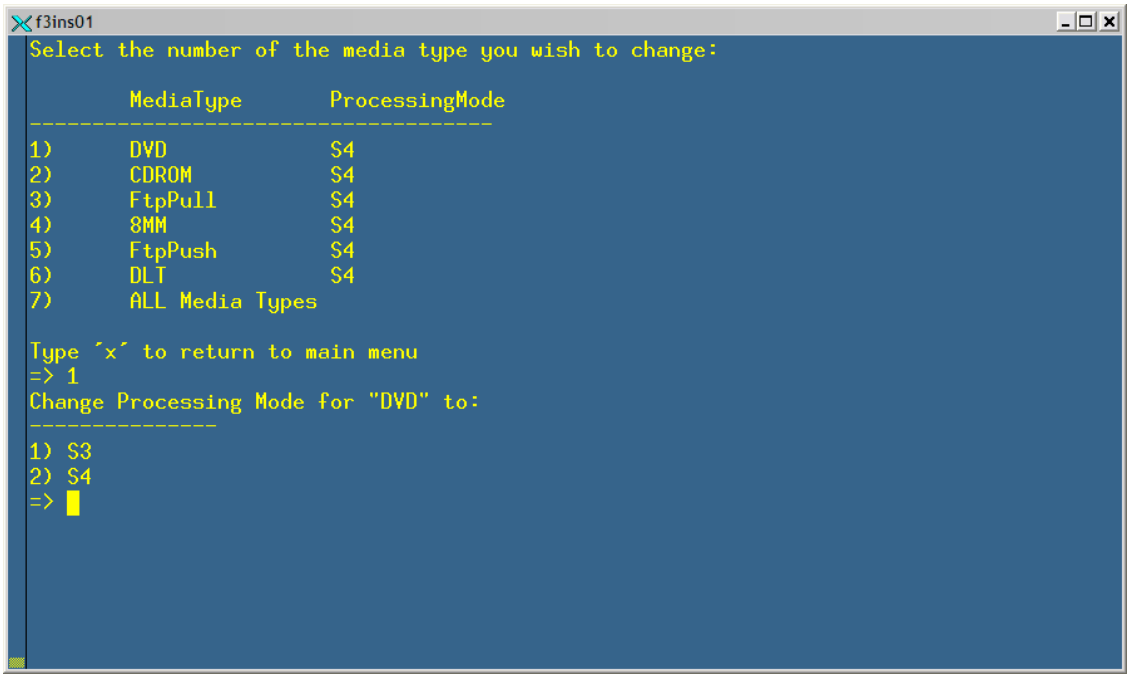


***Figure 4.11.17-6. Change Processing Mode for the Media Type (1 of 2)***

After selecting S3 or S4, a success message is displayed (otherwise a Sybase error will be displayed).

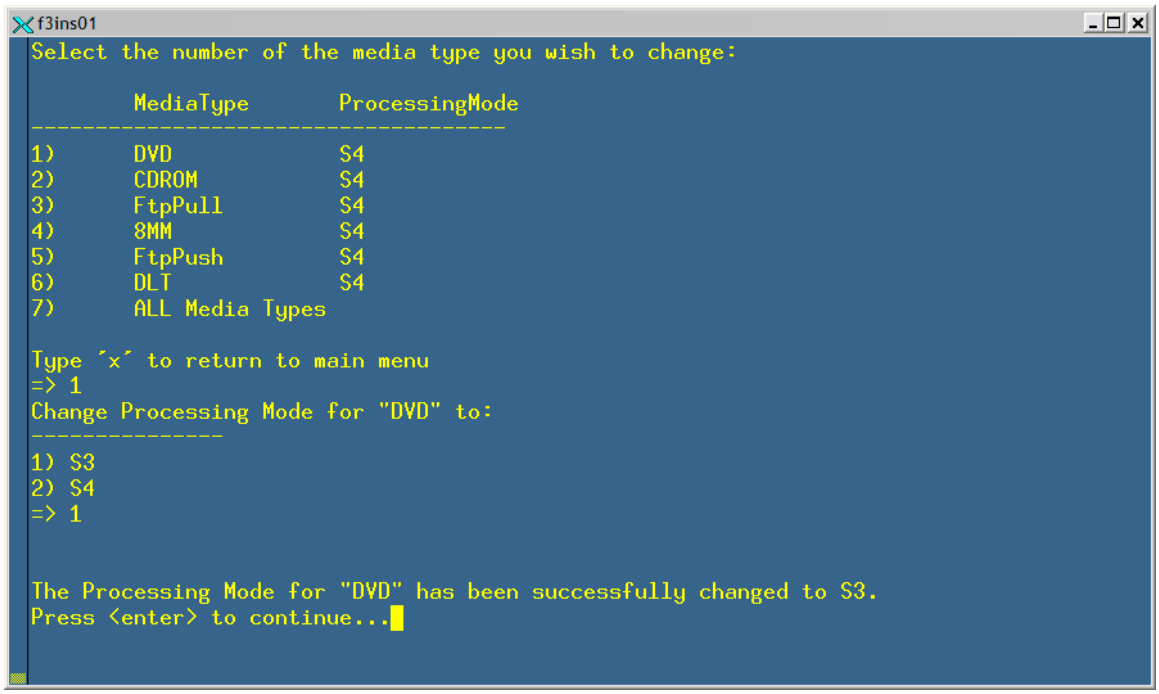


***Figure 4.11.17-6. Change Processing Mode for the Media Type (2 of 2)***

### 4.11.17.5 MSS/OMS Order Tracking Configuration

This feature allows the operator to configure how long order-tracking information is kept in the database. This can be configured by media type and order source.

When this item is selected from the main menu, the following submenu appears:

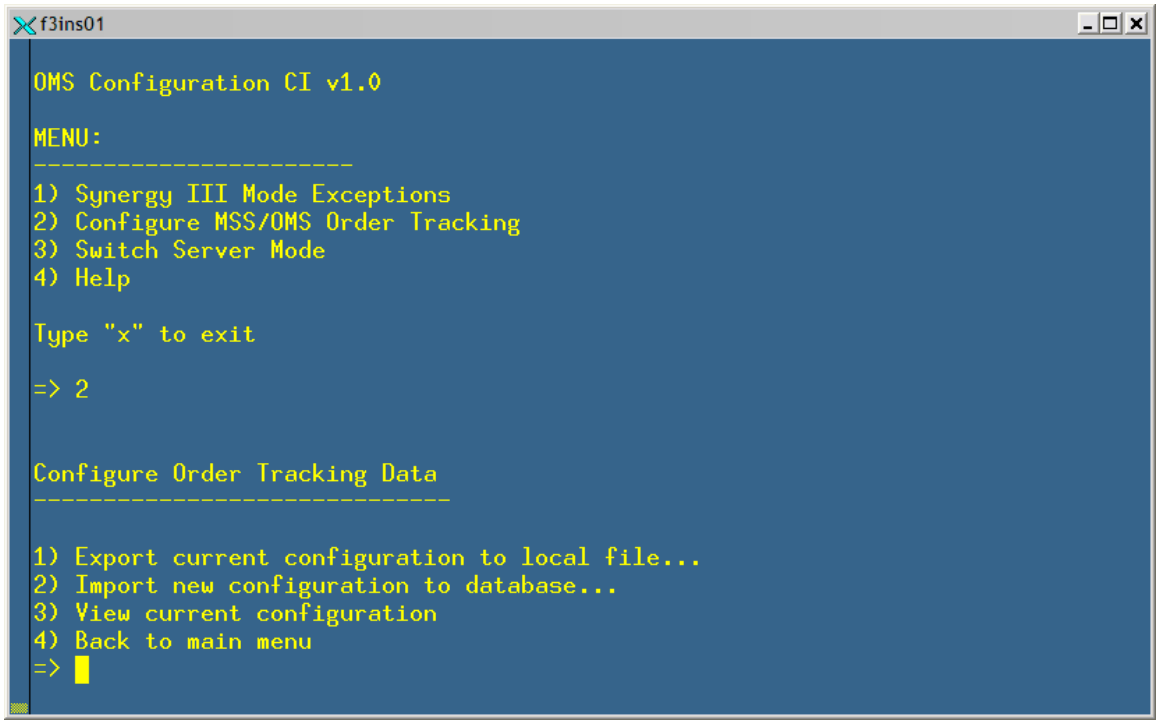


***Figure 4.11.17-7. Configure Order Tracking Data Menu Screen (1 of 3)***

The process here is to export the current configuration to a local file, edit that file, and import it back into the database.

To **export**, select item 1 ("Export current configuration to local file..."). The utility will create a unique file in the current directory.

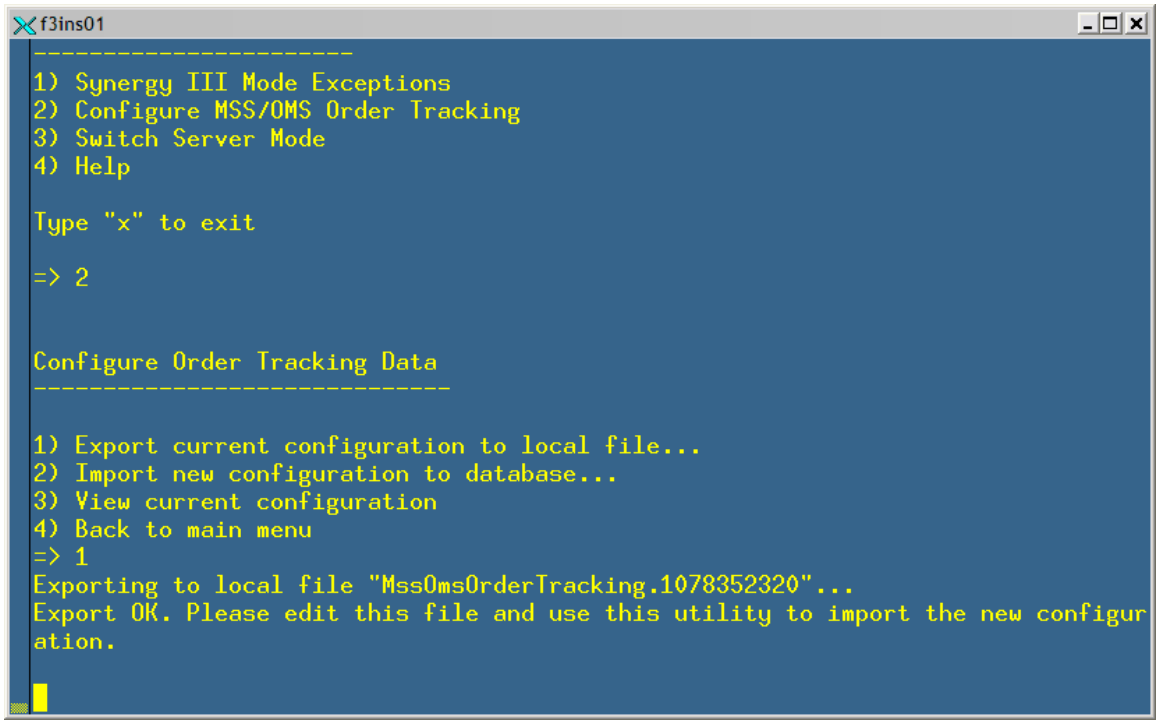


***Figure 4.11.17-7. Configure Order Tracking Data Menu Screen (2 of 3)***

The saved file contains the configuration for all media types and *all* order sources. It will be in the following format

```
D               FtpPull         0
S               FtpPull         0
V               FtpPull         0
M               FtpPull         0
D               FtpPush         0
S               FtpPush         0
V               FtpPush         0
M               FtpPush         0
D               CDROM           0
S               CDROM           0
V               CDROM           0
M               CDROM           0
D               DLT             0
S               DLT             0
V               DLT             0
M               DLT             0
```

```
D               DVD             0
S               DVD             0
V               DVD             0
M               DVD             0
D               8MM             0
S               8MM             0
V               8MM             0
M               8MM             3
D               scp             0
S               scp             0
V               scp             1.5
M               scp             0
```

The first item is the order source (D, S, V, or M), followed by the media type, followed by the retention time period in DAYS. See Table 4.11.17-2 below for the order source mappings.

***Table 4.11.17-2. Order Source Mappings***

| Order Source Abbreviation | Order Source |
|---|---|
| D | Data Pool |
| S | Spatial Subscription Server |
| V | V0-Gateway |
| M | SIPS Machine-to-Machine Gateway |

The file can be edited for any changes and then exported to the database. The file will be parsed out and the changes will be submitted to the database by "importing" the file:

To **import** the file, run the utility again and pass in the edited file using the **–ot** option (see the beginning of this section). Select "Configure MSS/OMS Order Tracking" from the main menu and "Export new configuration to database..." from the subsequent menu.

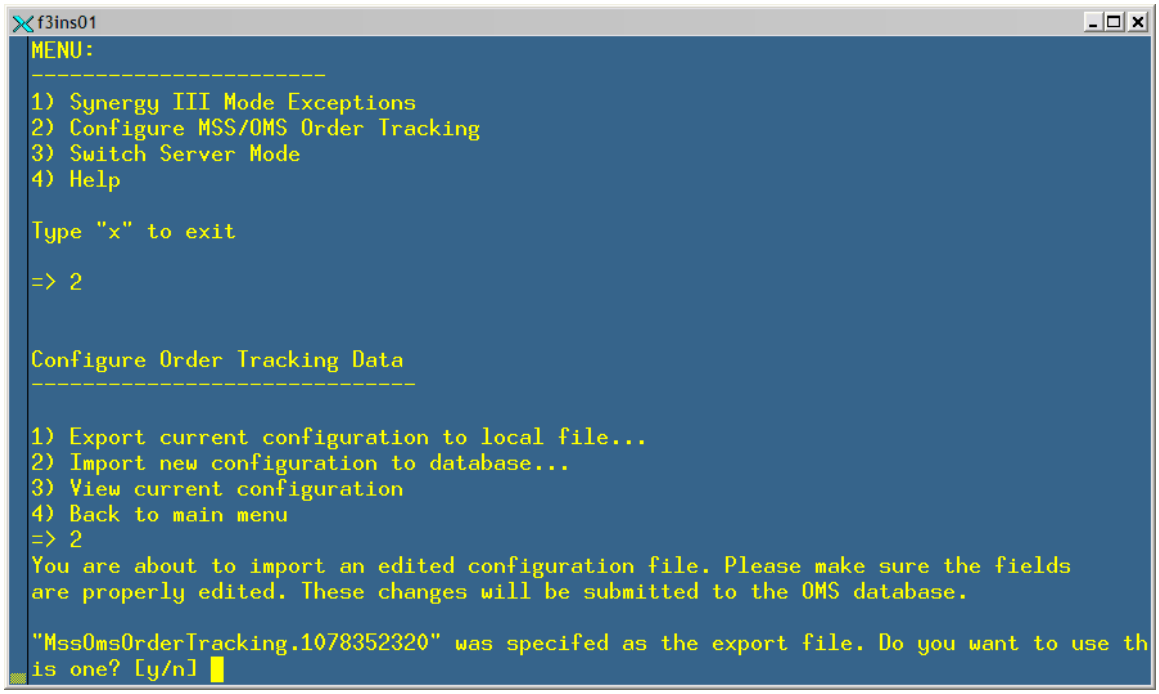


***Figure 4.11.17-7. Configure Order Tracking Data Menu Screen (3 of 3)***

The file will be checked for correct syntax and the changes will then be submitted.

**Switch Server Mode**

Select “Switch Server Mode” from the main menu. This option allows the operator to switch the OMS Server processing between S3 (Synergy III) and S4 (Synergy IV). This feature will work like a toggle. If the current mode is S3, the operator will only be given the option to switch to s4 and vice versa. See the following screenshot:

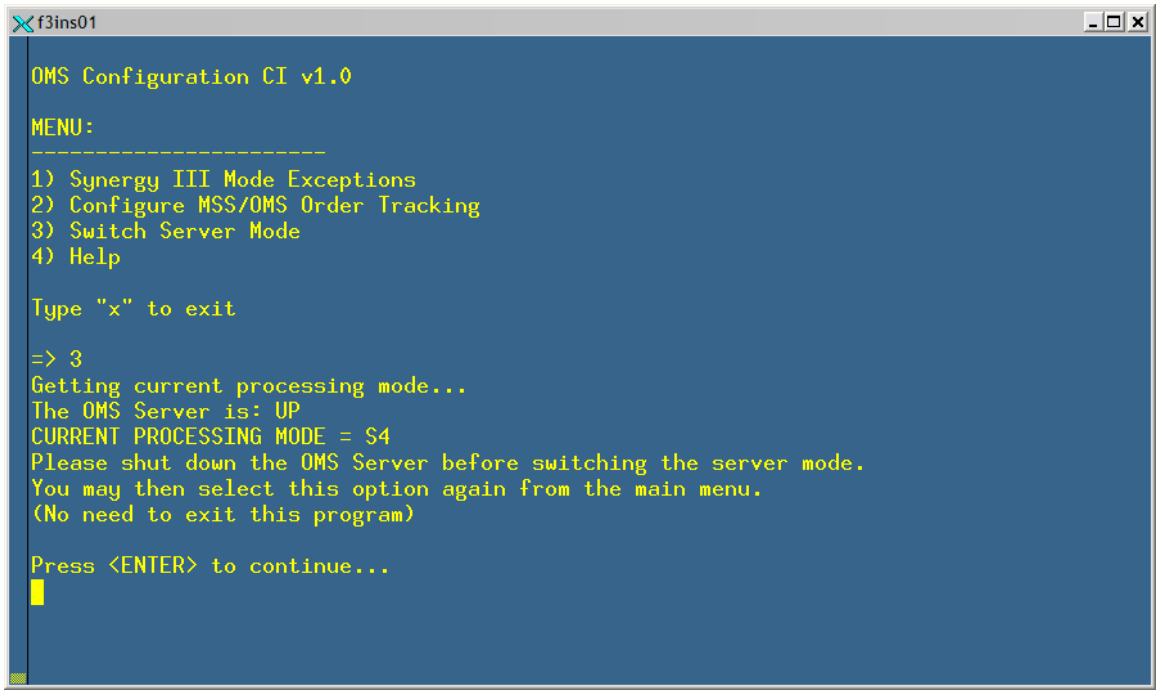


***Figure 4.11.17-8. Switch Server Mode Selection Screen***

This function also displays the current status of the OMS Server (if it is up or down).

**Note:** The server mode can only be changed if the OMS Server is **down**. Shut down the server, run this utility to change the server mode, and restart the server again.

**OMS Configuration CI Help**

Select "Help" from the main menu for a complete synopsis of the options and all available functions of the CI. The **–help** option also displays a brief overview of the input options. Below is part of the help text.

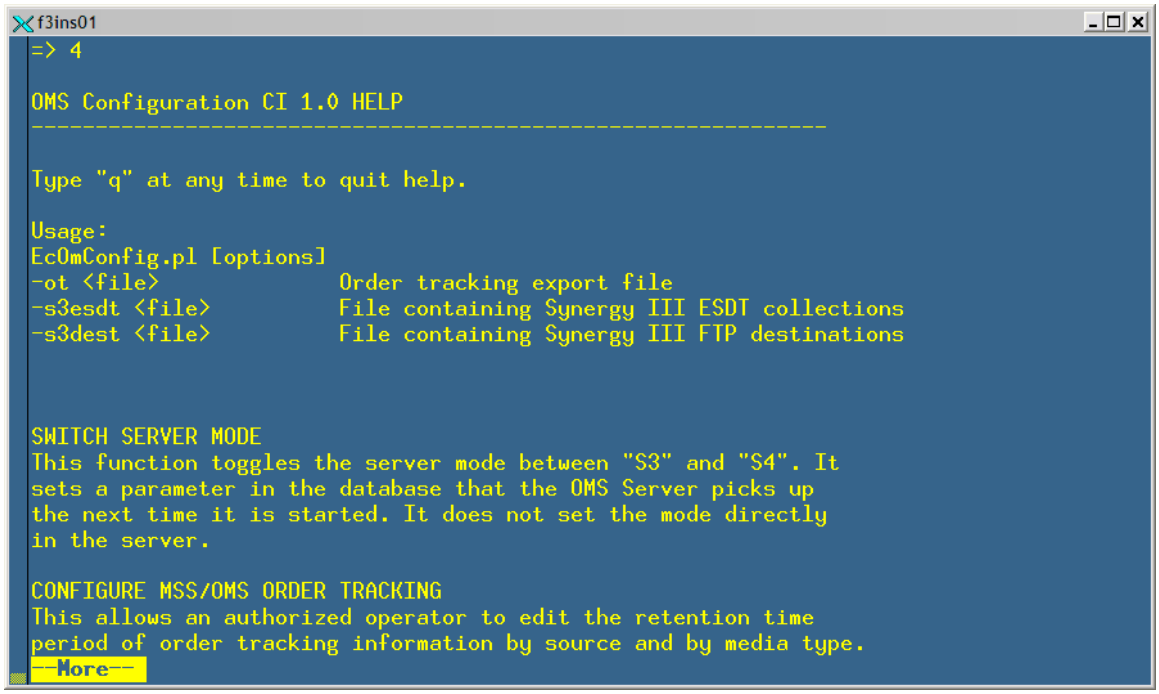


***Figure 4.11.17-9. Switch Server Mode Screen***

### 4.11.17.3 Required Operating Environment

The following environment is required for the OMS Configuration CI to work properly.

The O/S requirements are Solaris 2.5.1 or better, or SGI IRIX6.5 or better.

### 4.11.17.4 Interfaces and Data types

The OMS Configuration CI exchanges data between the Application (interaction w/ operator) and Sybase, using Perl DBI Modules.

### 4.11.17.5 Databases

The OMS Configuration CI accesses the OMS and MSS Accountability databases.

### 4.11.17.6 Special Constraints

There are no special constraints to running the OMS Configuration CI.

### 4.11.17.7 Outputs

The Configuration CI is an interactive system, so messages and prompts are displayed to the operator on the screen. Error messages are displayed to the screen as well as printed to the log.

### 4.11.17.8 Events and Messages

The Configuration CI writes status and error messages to the EcOmConfig.log file in the directory /usr/ecs/<MODE>/CUSTOM/logs.

### 4.11.17.9 Reports

The Configuration CI does not generate reports.